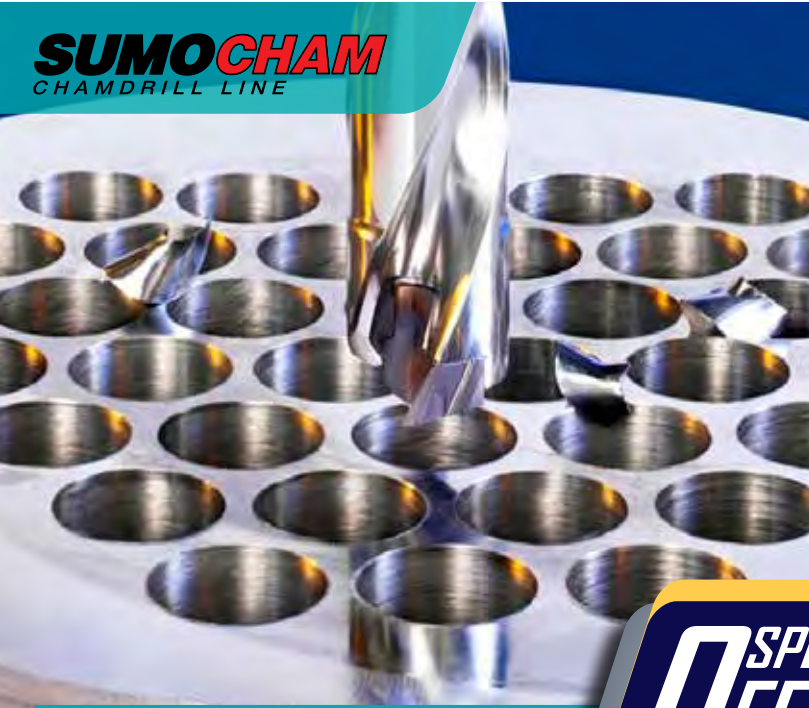


# PROMOLOGIQ

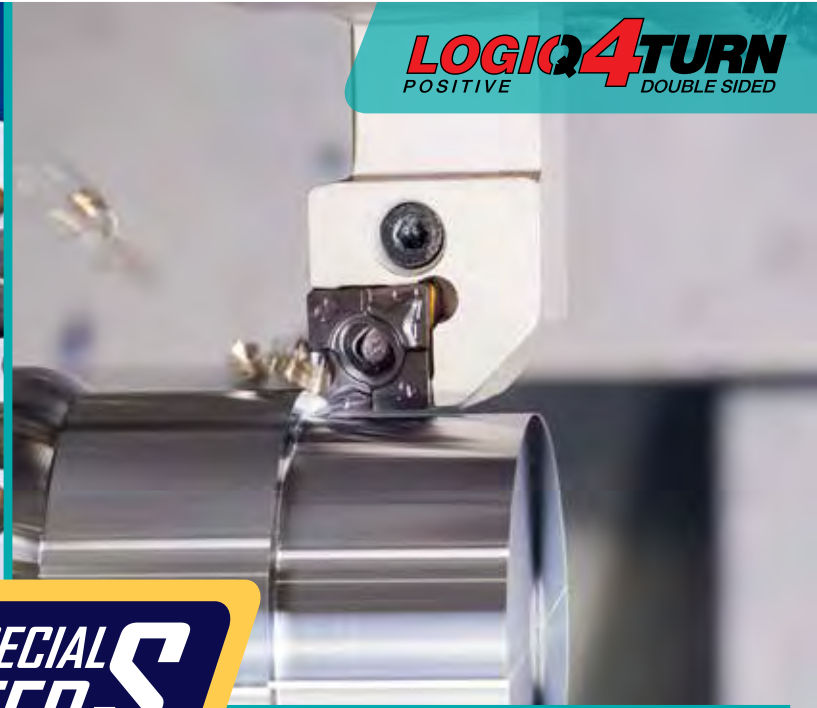
ISCAR CHESS LINES

Valid until - July 31, 2020

**SUMOCHAM**  
CHAMDRILL LINE

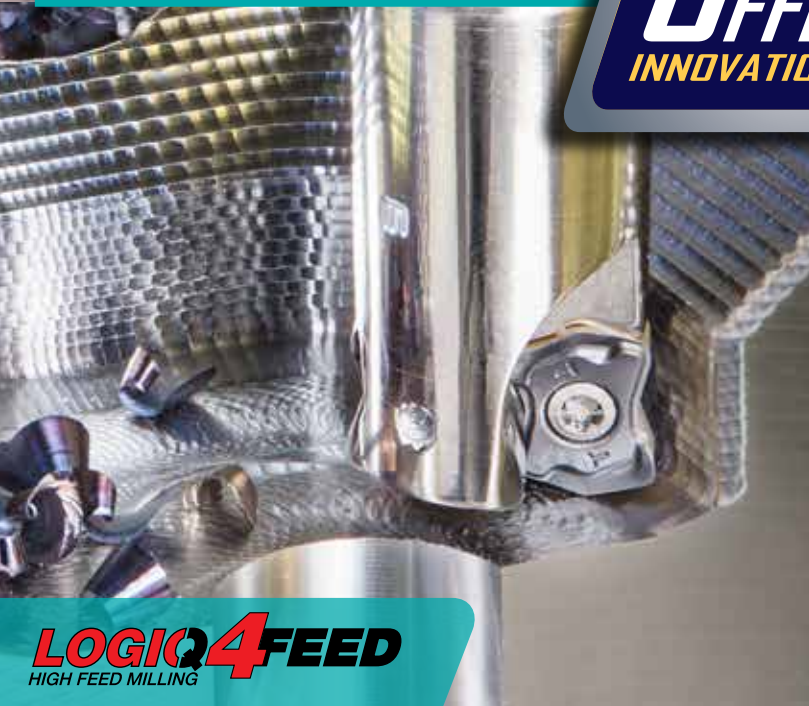


**LOGIQ4TURN**  
POSITIVE DOUBLE SIDED



**SPECIAL OFFERS**  
INNOVATION 2020

**LOGIQ4FEED**  
HIGH FEED MILLING



**TANGFGRIP**  
HIGH FEED PARTING



MACHINING **IN** DUSTRY 4.0  
INTELLIGENTLY

Member IMC Group  
**iscar**  
www.iscarmetals.com

**The Smallest Helical Indexable  
Multi-Toothed Endmill for  
90° Shoulder Milling**



High Positive  
Rake



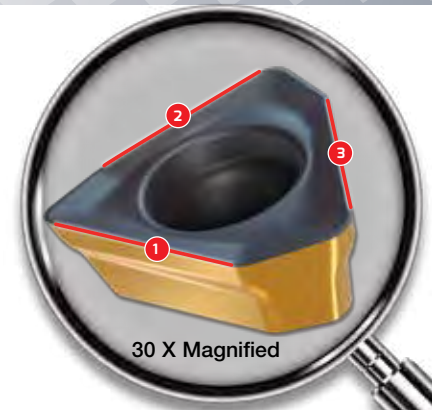
Large  
Diameter Core



Performs  
90° Shoulder



Cost Effective  
Insert



30 X Magnified

HM390 TPKT 05  
Helical Cutting Edges



**Purchase**

10 HM390 TPKT 05 Inserts

**Receive 50%  
Additional Discount**

on the Corresponding Endmill Cutter  
(HM390 ETP...-05) up to 0.62"

Use Promo Code: **2000A**



**Purchase**

30 HM390 TPKT 05 Inserts

**Receive**

Corresponding Endmill Cutter  
(HM390 ETP...-05) up to 0.62"

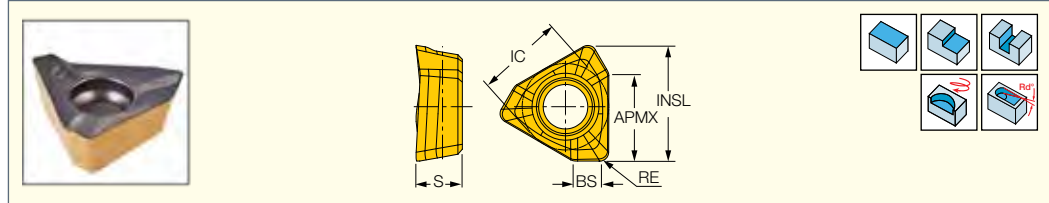
**Free of Charge**

Use Promo Code: **2000B**





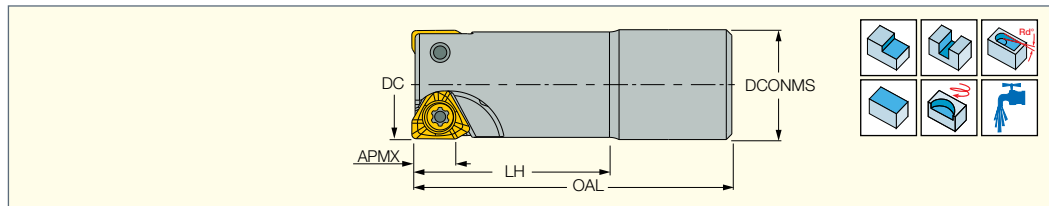
**HM390 TPKT/CT 0502**  
 Triangular Inserts with 3  
 Helical Cutting Edges for  
 90° Shoulder Accuracy



Designation	Dimensions						Tough ↔ Hard			Recommended Machining Data	
	INSL	IC	S	APMX	RE	BS	IC830	IC808	IC810	$a_p$ (inch)	$f_z$ (inch/t)
HM390 TPCT 0502PDR	.207	.155	.083	.138	.0157	.039	•	•	•	.020-.138	.0020-.0039
HM390 TPKT 0502PDR	.207	.155	.083	.138	.0157	.039	•	•	•	.020-.138	.0020-.0059



**HM390 ETP-05**  
 90° Endmills Carrying HM390  
 TPKT 0502 Triangular Inserts  
 with 3 Helical Cutting Edges



Designation	DC	APMX	CICT <sup>(1)</sup>	OAL	LH	DCONMS	Shank <sup>(2)</sup>	RMPX <sup>(3)</sup>	
HM390 ETPD.50-03-C.50-05C	.500	.138	3	3.500	.750	.500	C	1.5	.17
HM390 ETPD.62-04-C.62-05C	.625	.138	4	3.500	1.000	.625	C	1.5	.25

• Tightening torque 4.42 lb\*in

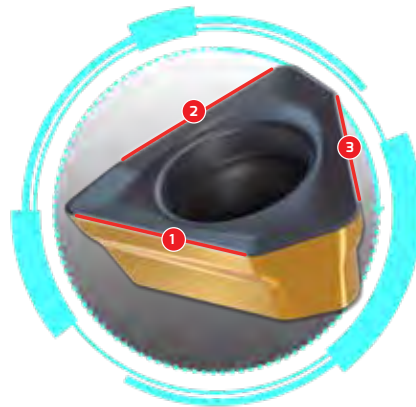
<sup>(1)</sup> Number of inserts

<sup>(2)</sup> C-Cylindrical

<sup>(3)</sup> Maximum ramping angle

**Spare Parts**

Designation		
HM390 ETP-05	TS 18041/HG	T-6IP/51



For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

## Twisted Shape Insert for High Feed Milling Guarantees Higher Productivity



High Feed Milling



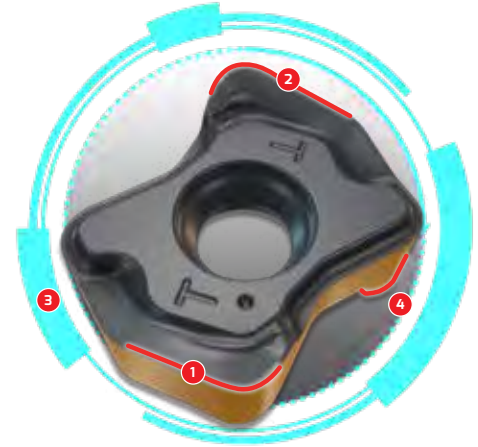
Large Body Core Ensures Stability and Rigidity



High Positive Rake Angle



Double Sided Insert



Unique Insert Shape



1

### Purchase

20 FFX4 XNMU 04... Assorted Inserts by pack size

**Receive 50% Additional Discount**

on the Corresponding Endmill Cutter (FFX4 ED...-04) up to 1.25"

Use Promo Code: **2001A**



2

### Purchase

30 FFX4 XNMU 04... Assorted Inserts by pack size

**Receive 50% Additional Discount**

on the Corresponding Face Mill Cutter (FFX4 FD...-04) up to 2"

Use Promo Code: **2001B**





**3**

### Purchase

40 FFX4 XNMU 04... Assorted Inserts by pack size

### Receive

Corresponding Endmill Cutter (FFX4 ED...-04) up to 1.25"

### Free of Charge

Use Promo Code: **2001C**



**4**

### Purchase

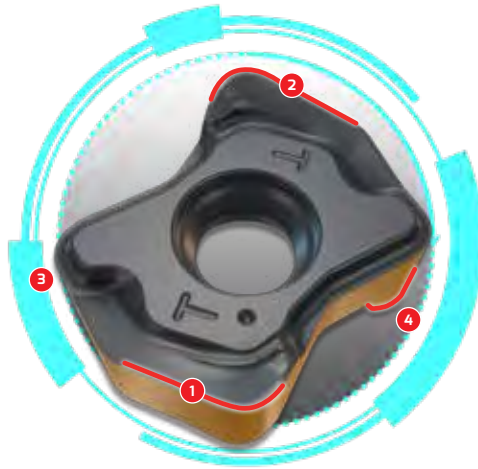
60 FFX4 XNMU 04... Assorted Inserts by pack size

### Receive

Corresponding Face Mill Cutter (FFX4 FD...-04) up to 2"

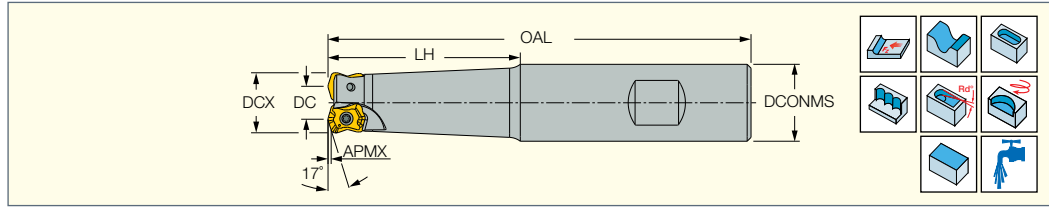
### Free of Charge

Use Promo Code: **2001D**



**FFX4 ED**

Endmills Carrying Small Double-Sided "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



Designation	DCX <sup>(1)</sup>	DC	APMX	AE <sup>(2)</sup>	CICT <sup>(3)</sup>	LH	OAL	DCONMS	Shank <sup>(4)</sup>	RMPX <sup>(5)</sup>	MDN <sup>(6)</sup>	MDX <sup>(7)</sup>	MIID <sup>(8)</sup>	TQ <sup>(9)</sup>	Lbs
FFX4 ED0.50-1-1.2W0.50-04	.500	.209	.031	.145	1	1.200	3.250	.500	W	3.4	.709	.961	FFX4 XNMU 040310T	8.00	.15
FFX4 ED0.62-2-1.5W0.62-04	.625	.334	.031	.145	2	1.500	3.500	.625	W	4.3	.959	1.211	FFX4 XNMU 040310T	8.00	.25
FFX4 ED0.62-2-2.0W0.75-04	.625	.334	.031	.145	2	2.000	4.250	.750	W	4.3	.959	1.211	FFX4 XNMU 040310T	8.00	.39
FFX4 ED0.75-3-2.0W0.75-04	.750	.459	.031	.145	3	2.000	4.250	.750	W	2.9	1.209	1.461	FFX4 XNMU 040310T	8.00	.44
FFX4 ED0.75-3-2.5W0.75-04	.750	.459	.031	.145	3	2.500	5.000	.750	W	2.9	1.209	1.461	FFX4 XNMU 040310T	8.00	.50
FFX4 ED1.00-4-2.0W1.00-04	1.000	.709	.031	.145	4	2.000	4.500	1.000	W	1.8	1.709	1.961	FFX4 XNMU 040310T	8.00	.02
FFX4 ED1.00-4-3.0W1.00-04	1.000	.709	.031	.145	4	3.000	5.000	1.000	W	1.8	1.709	1.961	FFX4 XNMU 040310T	8.00	1.03
FFX4 ED1.25-5-2.5W1.00-04	1.250	.959	.031	.145	5	2.500	5.000	1.000	W	1.2	2.209	2.461	FFX4 XNMU 040310T	8.00	1.21
FFX4 ED1.25-5-3.0W1.25-04	1.250	.959	.031	.145	5	3.000	5.500	1.250	W	1.2	2.209	2.461	FFX4 XNMU 040310T	8.00	1.50

• Radius for programming .071" • To generate a straight surface without cusps, the width of cut must not exceed DC

<sup>(1)</sup> Cutting diameter maximum

<sup>(2)</sup> Maximum plunging width

<sup>(3)</sup> Number of inserts

<sup>(4)</sup> W - Weldon

<sup>(5)</sup> Maximum ramping angle

<sup>(6)</sup> Machinable diameter minimum for interpolation

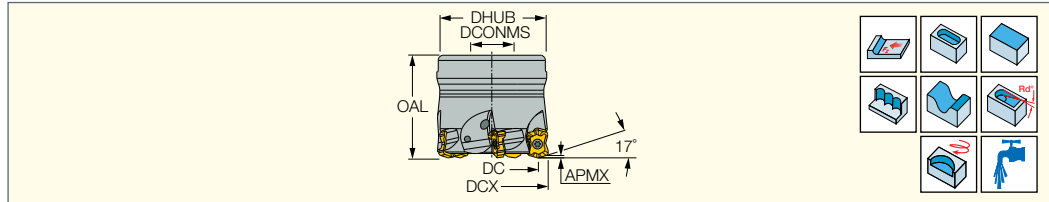
<sup>(7)</sup> Machinable diameter maximum for interpolation

<sup>(8)</sup> Master insert identification

<sup>(9)</sup> Recommended tightening torque (lb\*in) for insert screw

**FFX4 FD**

Face Mills Carrying Small "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



Designation	DCX <sup>(1)</sup>	DC	CICT <sup>(2)</sup>	APMX	AE <sup>(3)</sup>	KAPR	OAL	DHUB	DCONMS	Arbor	RMPX <sup>(4)</sup>	MDN <sup>(5)</sup>	MDX <sup>(6)</sup>	MIID <sup>(7)</sup>	TQ <sup>(8)</sup>	Lbs
FFX4 FD1.50-6-.50-04	1.500	1.209	6	.031	.145	17.0	1.500	1.417	.500	A	1.0	2.709	2.961	FFX4 XNMU 040310T	8.00	.51
FFX4 FD2.00-7-.75-04	2.000	1.709	7	.031	.145	17.0	1.500	1.850	.750	A	.6	3.709	3.961	FFX4 XNMU 040310T	8.00	.86

• Radius for programming .071" • To generate a straight surface without cusps, the width of cut must not exceed DC

<sup>(1)</sup> Cutting diameter maximum

<sup>(2)</sup> Number of inserts

<sup>(3)</sup> Maximum plunging width

<sup>(4)</sup> Ramping angle maximum

<sup>(5)</sup> Machinable diameter minimum for interpolation

<sup>(6)</sup> Machinable diameter maximum for interpolation

<sup>(7)</sup> Master insert identification

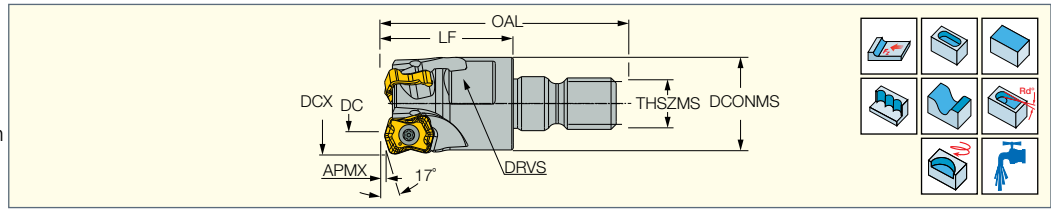
<sup>(8)</sup> Recommended tightening torque (lb\*in) for insert screw



For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**FFX4 ED-M**

Endmills with FLEXFIT Adaptation Carrying Small "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



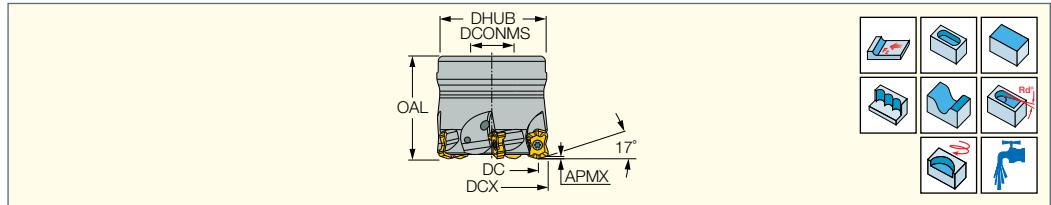
Designation	DCX <sup>(1)</sup>	DC	CICT <sup>(2)</sup>	APMX	AE <sup>(3)</sup>	THSZMS	LF	OAL	DCONMS	RMPX <sup>(4)</sup>	MDN <sup>(5)</sup>	MDX <sup>(6)</sup>	DRVS <sup>(7)</sup>	MIID <sup>(8)</sup>	TQ <sup>(9)</sup>
<b>FFX4 ED20/.78-3-M10-04</b>	.787	.496	3	.031	.146	M10	.984	1.772	.709	2.7	1.283	1.535	.591	FFX4 XNMU 040310T	.04 .09
<b>FFX4 ED25/.98-4-M12-04</b>	.984	.693	4	.031	.146	M12	1.181	2.047	.827	1.8	1.677	1.929	.748	FFX4 XNMU 040310T	.04 .18
<b>FFX4 ED32/1.26-5-M16-04</b>	1.260	.969	5	.031	.146	M16	1.378	2.362	1.142	1.2	2.228	2.480	1.063	FFX4 XNMU 040310T	.04 .40
<b>FFX4 ED35/1.38-5-M16-04</b>	1.378	1.087	5	.031	.146	M16	1.378	2.362	1.142	1.1	2.465	2.717	.984	FFX4 XNMU 040310T	.04 .44
<b>FFX4 ED42/1.65-6-M16-04</b>	1.654	1.362	6	.031	.146	M16	1.575	2.559	1.142	.8	3.016	3.268	.984	FFX4 XNMU 040310T	.04 .66

- Radius for programming .071" • To generate a straight surface without cusps, the width of cut must not exceed DC
- When mounting items with FLEXFIT threaded adaptation to their holders, the mating surfaces and threaded areas must be thoroughly cleaned. Apply appropriate tightening torque to eliminate a gap between the mating faces. Estimated torque values are specified in the TQ\_3 parameter

- <sup>(1)</sup> Cutting diameter maximum
- <sup>(2)</sup> Number of inserts
- <sup>(3)</sup> Maximum plunging width
- <sup>(4)</sup> Maximum ramping angle
- <sup>(5)</sup> Machinable diameter minimum for interpolation
- <sup>(6)</sup> Machinable diameter maximum for interpolation
- <sup>(7)</sup> Key flat size
- <sup>(8)</sup> Master insert identification
- <sup>(9)</sup> Recommended tightening torque (lb\*in) for insert screw

**FFX4 FD**

Face Mills Carrying Small "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



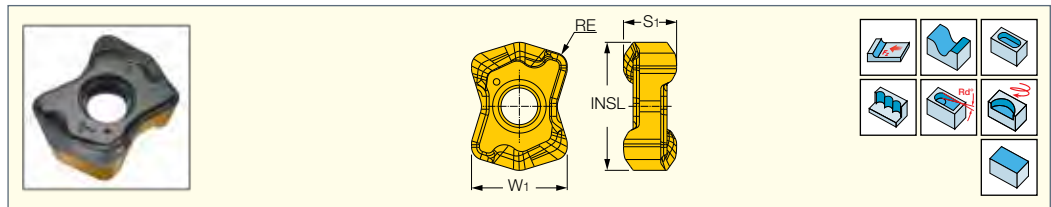
Designation	DCX <sup>(1)</sup>	DC	CICT <sup>(2)</sup>	APMX	AE <sup>(3)</sup>	KAPR	OAL	DHUB	DCONMS	Arbor	RMPX <sup>(4)</sup>	MDN <sup>(5)</sup>	MDX <sup>(6)</sup>	MIID <sup>(7)</sup>	TQ <sup>(8)</sup>
<b>FFX4 FD1.50-6-.50-04</b>	1.500	1.209	6	.031	.145	17.0	1.500	1.417	.500	A	1.0	2.709	2.961	FFX4 XNMU 040310T	8.00 .51
<b>FFX4 FD2.00-7-.75-04</b>	2.000	1.709	7	.031	.145	17.0	1.500	1.850	.750	A	.6	3.709	3.961	FFX4 XNMU 040310T	8.00 .86

- Radius for programming .071" • To generate a straight surface without cusps, the width of cut must not exceed DC

- <sup>(1)</sup> Cutting diameter maximum
- <sup>(2)</sup> Number of inserts
- <sup>(3)</sup> Maximum plunging width
- <sup>(4)</sup> Ramping angle maximum
- <sup>(5)</sup> Machinable diameter minimum for interpolation
- <sup>(6)</sup> Machinable diameter maximum for interpolation
- <sup>(7)</sup> Master insert identification
- <sup>(8)</sup> Recommended tightening torque (lb\*in) for insert screw

**FFX4 XNMU**

Small "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



Designation	Dimensions				Tough → Hard						Recommended Machining Data	
	INSL	S <sub>i</sub>	RE	W <sub>i</sub>	IC882	IC840	IC830	IC5820	IC808	IC810	a <sub>p</sub> (inch)	f <sub>z</sub> (inch/t)
<b>FFX4 XNMU 040310HP</b>	.377	.156	.0394	.282	●	●	●	●			.008-.031	.0079-.0354
<b>FFX4 XNMU 040310RM-HP</b>	.377	.156	.0394	.282	●				●		.008-.031	.0079-.0354
<b>FFX4 XNMU 040310T</b>	.377	.156	.0394	.282			●		●	●	.008-.031	.0079-.0472
<b>FFX4 XNMU 040310RM-T</b>	.377	.156	.0394	.282					●		.008-.031	.0079-.0472

- For side plunging, the initial cutting feed is .004 inch/t • HP- for austenitic stainless steel and high temperature alloys
- T- for steel, ferritic and martensitic stainless steel, cast iron and hardened steel • RM-reinforced type insert

For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**Indexable Solid Carbide Endmill**  
**Long Cutting Edge 1.5XD**  
**Flute Master**



MULTI-MASTER Heads  
1.5xD Length 8-25 mm Diameters



Ease of Use



Different Types  
of Materials



Roughing  
Semi-Finishing  
& Finishing



Cost Effective  
Insert



**Purchase**

4 Multi-Master 1.5XD Assorted Inserts by pack size

**Receive 15%**  
**Additional Discount**

Use Promo Code: **2002A**

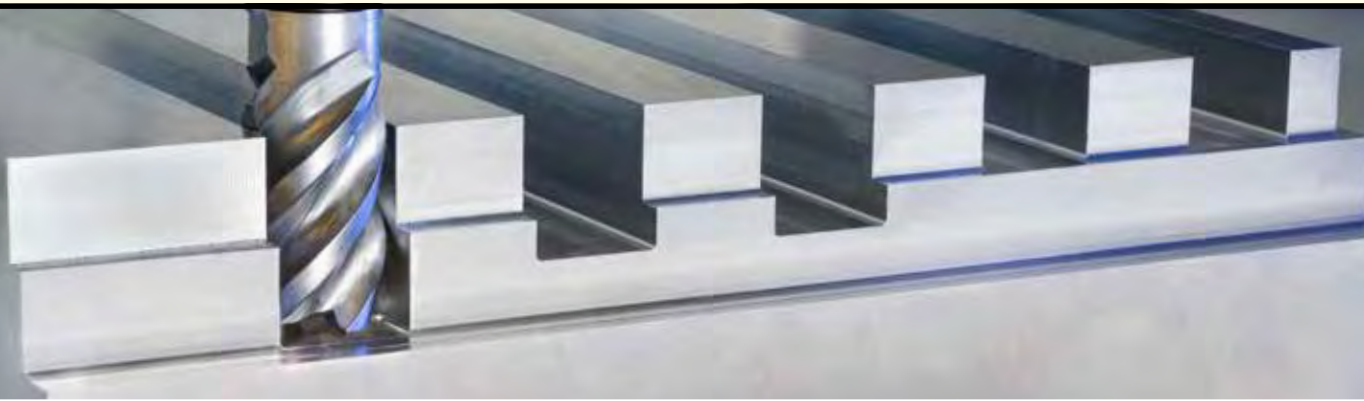


**Purchase**

6 Multi-Master 1.5XD Assorted Inserts by pack size

**Receive 25%**  
**Additional Discount**

Use Promo Code: **2002B**

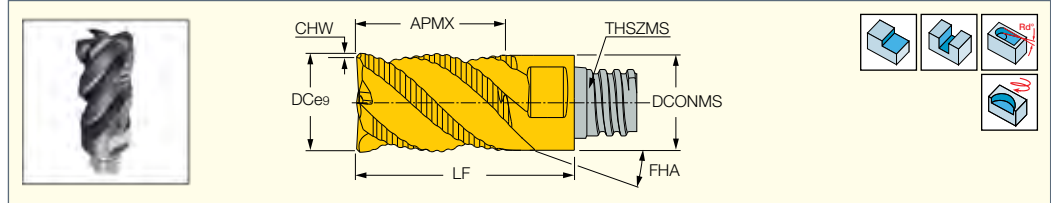




**MULTI-MASTER**  
INDEXABLE SOLID CARBIDE LINE

**MM ERS-1.5xD**

Interchangeable Solid Carbide  
Rough Milling Heads with  
1.5xD Flute Lengths for High  
Metal Removal Rates



Designation	Dimensions									IC908	Recommended Machining Data
	DC	NOF <sup>(1)</sup>	APMX	CHW	THSZMS	DCONMS	LF	FHA	RMPX <sup>(2)</sup>		f <sub>z</sub> (inch/t)
MM ERS312B47-4T05	.312	4	.469	.010	T05	.303	.709	46.0	5.0	●	.0011-.0031
MM ERS375B56-4T06	.375	4	.563	.012	T06	.366	.866	46.0	5.0	●	.0011-.0035
MM ERS500B75-4T08	.500	4	.750	.014	T08	.488	1.063	46.0	5.0	●	.0015-.0039
MM ERS625B94-5T10	.625	5	.938	.016	T10	.602	1.319	40.0	5.0	●	.0015-.0039
MM ERS750B112-6T12	.750	6	1.125	.016	T12	.726	1.614	47.0	3.0	●	.0019-.0043
MM ERS1.0B150-6T15	1.000	6	1.500	.020	T15	.941	2.067	47.0	3.0	●	.0019-.0043

• Do not apply lubricant to the threaded connection

<sup>(1)</sup> Number of flutes

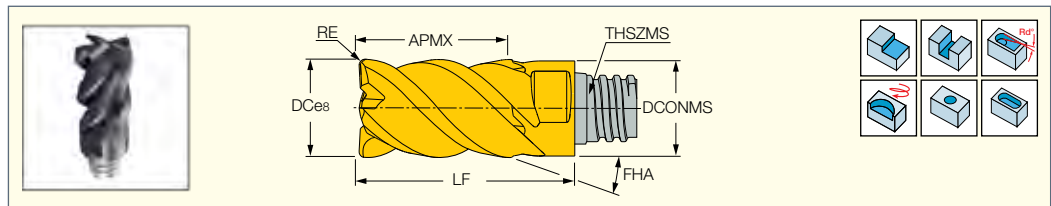
<sup>(2)</sup> Maximum ramping angle

**MULTI-MASTER**  
INDEXABLE SOLID CARBIDE LINE

**CHATTERFREE**  
MULTI-MASTER LINE

**MM EC-CF-Z4-1.5xD**

Interchangeable Solid Carbide  
Endmill Heads with 1.5xD  
Flute Lengths for Chatterfree  
Roughing and Finishing



Designation	Dimensions									IC908	Recommended Machining Data
	DC	NOF <sup>(1)</sup>	APMX	RE	THSZMS	DCONMS	LF	FHA	f <sub>z</sub> (inch/t)		
MM EC312H47R015CF-4T05	.312	4	.469	.0150	T05	.303	.709	46.5	●	.0011-.0035	
MM EC375H56R015CF-4T06	.375	4	.563	.0150	T06	.366	.866	46.5	●	.0011-.0039	
MM EC500H75R015CF-4T08	.500	4	.750	.0150	T08	.488	1.063	46.5	●	.0015-.0043	
MM EC625H94R015CF-4T10	.625	4	.938	.0150	T10	.602	1.319	46.5	●	.0019-.0051	
MM EC750H112R031CF-4T12	.750	4	1.125	.0310	T12	.726	1.614	46.5	●	.0019-.0066	
MM EC1.0H150R031CF-4T15	1.000	4	1.500	.0310	T15	.941	2.067	46.5	●	.0023-.0066	

• Do not apply lubricant to the threaded connection

<sup>(1)</sup> Number of flutes



For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**High Productivity**  
**Parting Master**



Rigid Clamping



Extra High Feed



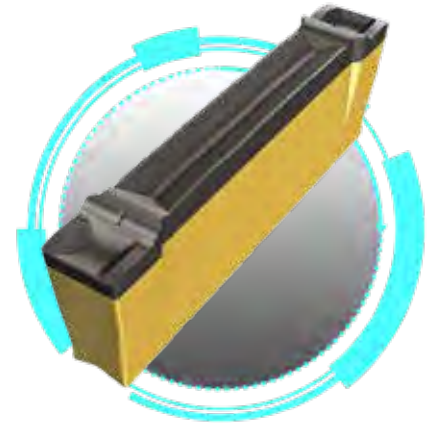
High Pressure Coolant



Cost Effective Insert



Anti-Vibration



**Purchase**

20 DGN Inserts,  
choose from widths .079-.197"  
+ Corresponding DGAQ Adapter  
or DGAQ-JHP Adapter



**Receive**

corresponding block TGTBQ

**Free of Charge**

Use Promo Code: **2004A**



**Purchase**

20 DGN inserts, choose from widths .079-.197"



**Receive**

Corresponding Adapter DGAQ

**Free of Charge**

Use Promo Code: **2004B**

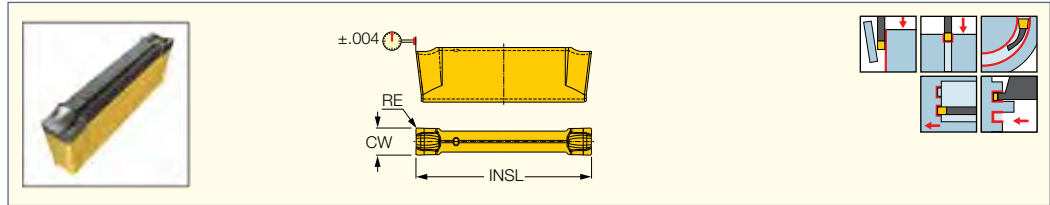
\* JHP Adapters with internal coolant channels are not included





**DGN-LF/LFT**

Double-Sided Inserts for Parting and Grooving Stainless Steel



Designation	Dimensions						Tough ↔ Hard							Recommended Machining Data
	CW	CWTOL <sup>(1)</sup>	RE	RETOL <sup>(2)</sup>	CDX <sup>(3)</sup>	INSL	IC830	IC928	IC1030	IC5400	IC1010	IC808	IC908	
DGN 2002LF	.079	.0012	.008	.0008	.709	.780	●			●	●	●		.0012-.0031
DGN 2202LF	.087	.0012	.008	.0008	.709	.780		●	●	●	●		●	.0012-.0031
DGN 2502LF	.098	.0012	.008	.0008	.709	.780		●	●	●	●		●	.0012-.0031
DGN 3102LF	.122	.0016	.008	.0008	.709	.791	●	●	●	●	●		●	.0016-.0039
DGN 3102LFT	.122	.0016	.008	.0008	.709	.831		●					●	.0016-.0047

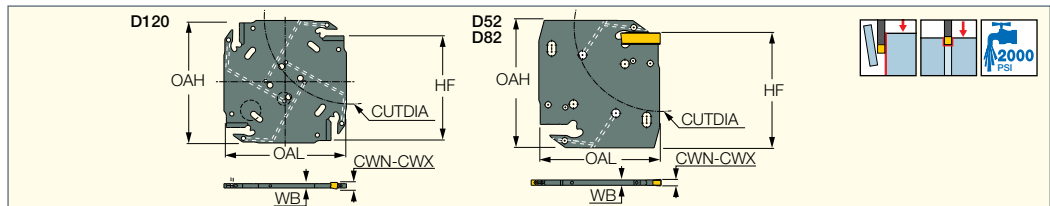
• The LFT chipformer features basically the same design as the LF chipformer, except that it is reinforced by a T-land to improve its durability in interrupted-cut or on hard materials applications. It can be applied at higher feeds than the LF chipformer

- <sup>(1)</sup> Cutting width tolerance (+/-)
- <sup>(2)</sup> Corner radius tolerance (+/-)
- <sup>(3)</sup> Cutting depth maximum



**DGAQ-JHP**

Parting and Grooving Square Adapters for DO-GRIP Inserts with Internal Coolant Holes



Designation	OAL	OAH	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	WB	HF	CUTDIA <sup>(3)</sup>	Insert	CSP <sup>(4)</sup>
DGAQ D52-2-2Z-JHP	1.968	1.97	.075	.098	.068	1.713	2.05	DGN/R/L 2	1
DGAQ D52-3-2Z-JHP	1.968	1.97	.118	.125	.098	1.713	2.05	DGN/R/L 3	1
DGAQ D52-4-2Z-JHP	1.968	1.97	.157	.157	.126	1.713	2.05	DGN/R/L 4	1
DGAQ D82-3-2Z-JHP	2.402	2.54	.118	.125	.098	2.283	3.23	DGN/R/L 3	1
DGAQ D82-4-2Z-JHP	2.402	2.54	.157	.157	.126	2.283	3.23	DGN/R/L 4	1
DGAQ D82-5-2Z-JHP	2.402	2.54	.197	.197	.157	2.283	3.23	DGN/R/L 5	1
DGAQ D120-4-4Z-JHP	3.563	3.56	.157	.157	.126	3.307	4.72	DGN/R/L 4	1
DGAQ D120-5-4Z-JHP	3.563	3.56	.197	.197	.157	3.307	4.72	DGN/R/L 5	1

• When using .079 and .118" double-sided inserts, the depth of cut is limited up to .75". For larger depth, use a DGNM type single-ended insert.

- <sup>(1)</sup> Minimum cutting width
- <sup>(2)</sup> Maximum cutting width
- <sup>(3)</sup> Maximum diameter for parting
- <sup>(4)</sup> 0 - Without coolant supply, 1 - With coolant supply



For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**High Productivity  
Parting Master**



Rigid Clamping



Extra High Feed



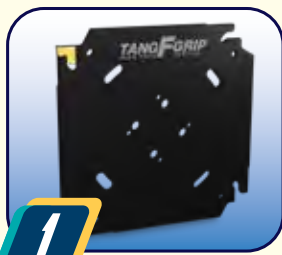
High Pressure Coolant



Cost Effective Insert



Anti-Vibration



**Purchase**

20 TAG Inserts,  
choose from widths .079-.197"  
+ Corresponding TGAQ Adapter  
or TGAQ-JHP Adapter



**Receive**

Corresponding Block TGTBQ

**Free of Charge**

Use Promo Code: **2003A**



**Purchase**

20 TAG Inserts, choose from widths .079-.197"

**Receive**

Corresponding Adapter TGAQ

**Free of Charge**



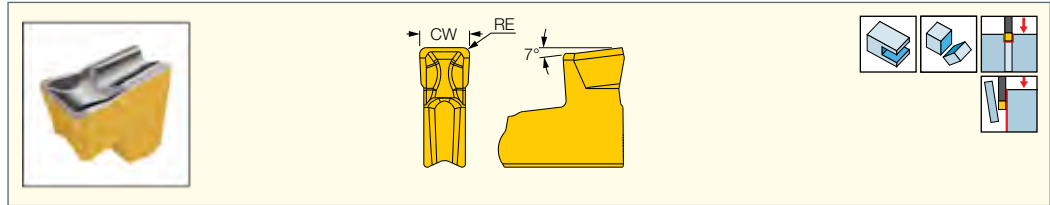
Use Promo Code: **2003B**

\* JHP Adapters with internal coolant channels are not included



**TAG N-HF**

Single-Ended Inserts for High Feed Parting and Grooving, Hard Materials and Tough Applications

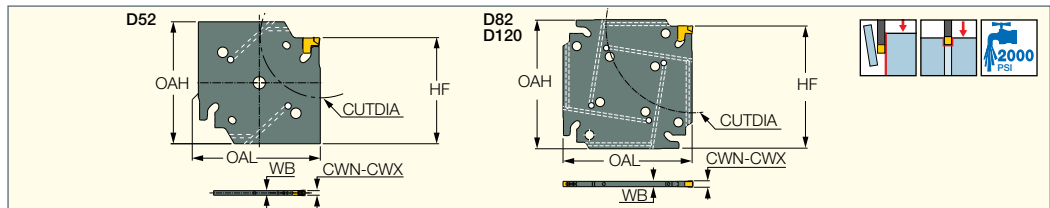


Designation	Dimensions			Tough ↔ Hard				Recommended Machining Data
	CW	CWTOL <sup>(1)</sup>	RE	IC830	IC1030	IC1010	IC808	
TAG N3HF	.118	.00157	.0157	●	●	●	●	f groove (IPR) .0098-.0138
TAG N4HF	.157	.00157	.0197	●	●	●	●	.0118-.0157
TAG N5HF	.197	.00157	.0197	●	●	●	●	.0118-.0157

<sup>(1)</sup> Cutting width tolerance (+/-)

**TGAQ-JHP**

Parting and Grooving Square Adapters for TANG-GRIP Tangentially Clamped Inserts with Internal Coolant Holes



Designation	OAL	OAH	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	WB	HF	CUTDIA <sup>(3)</sup>	Insert	CSP <sup>(4)</sup>
TGAQ D52-2-2Z-JHP	1.968	1.97	.071	.098	.065	1.713	2.05	TAG 2	1
TGAQ D52-3-2Z-JHP	1.968	1.97	.110	.138	.098	1.713	2.05	TAG 3	1
TGAQ D52-4-2Z-JHP	1.968	1.97	.146	.177	.134	1.713	2.05	TAG 4	1
TGAQ D82-2-4Z-JHP	2.402	2.40	.071	.098	.065	2.283	3.23	TAG 2	1
TGAQ D82-3-4Z-JHP	2.402	2.40	.110	.138	.098	2.283	3.23	TAG 3	1
TGAQ D82-4-4Z-JHP	2.402	2.40	.146	.177	.134	2.283	3.23	TAG 4	1
TGAQ D120-3-4Z-JHP	3.563	3.56	.110	.138	.098	3.307	4.72	TAG 3	1
TGAQ D120-4-4Z-JHP	3.563	3.56	.146	.177	.134	3.307	4.72	TAG 4	1
TGAQ D120-5-4Z-JHP	3.563	3.56	.185	.217	.157	3.307	4.72	TAG 5	1

• Suitable for all TANG-GRIP inserts

<sup>(1)</sup> Minimum cutting width

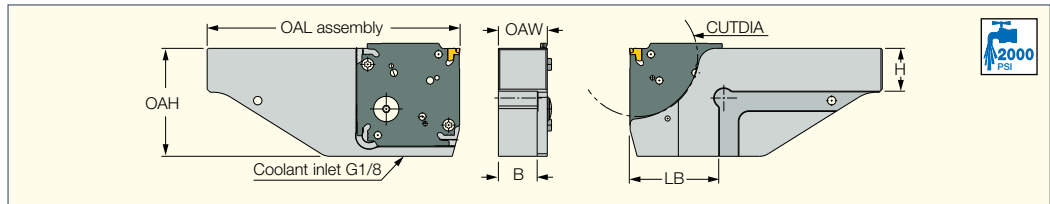
<sup>(2)</sup> Maximum cutting width

<sup>(3)</sup> Maximum diameter for parting

<sup>(4)</sup> 0 - Without coolant supply, 1 - With coolant supply

**TGTBQ-JHP**

Tool Blocks for Parting and Grooving Square Adapters for High Pressure Coolant



Designation	OAH	H	B	OAW	OAL	LB	CUTDIA
TGTBQ 19L-D52-JHP	1.97	.750	.772	1.008	4.803	1.339	2.05
TGTBQ 19R-D52-JHP	1.97	.750	.772	1.008	4.803	1.339	2.05
TGTBQ 25.4L-D52-JHP	1.97	1.000	1.024	1.260	5.197	1.339	2.05
TGTBQ 25.4R-D52-JHP	1.97	1.000	1.024	1.260	5.197	1.339	2.05
TGTBQ 19L-D82-JHP	2.52	.750	.772	1.008	5.512	2.087	3.23
TGTBQ 19R-D82-JHP	2.52	.750	.772	1.008	5.512	2.087	3.23
TGTBQ 25.4L-D82-JHP	2.52	1.000	1.024	1.260	5.906	2.087	3.23
TGTBQ 25.4R-D82-JHP	2.52	1.000	1.024	1.260	5.906	2.087	3.23
TGTBQ 31.8L-D82-JHP	2.52	1.250	1.280	1.516	5.925	2.106	3.23
TGTBQ 31.8R-D82-JHP	2.52	1.250	1.280	1.516	5.925	2.106	3.23
TGTBQ 25.4L-D120-JHP	3.74	1.000	1.024	1.260	6.496	2.638	4.72
TGTBQ 25.4R-D120-JHP	3.74	1.000	1.024	1.260	6.496	2.638	4.72
TGTBQ 31.8L-D120-JHP	3.74	1.250	1.280	1.516	6.496	2.638	4.72
TGTBQ 31.8R-D120-JHP	3.74	1.250	1.280	1.516	6.496	2.638	4.72

For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

## 3 Effective Cutting Edges Dia 0.472"-0.945" **Drilling Master**

3 Effective Cutting Edges for Higher Drilling Productivity  
Available in Diameter Range of 0.472"-  
0.945" with 3 and 5xD Body Overhang



Self Centering  
Insert



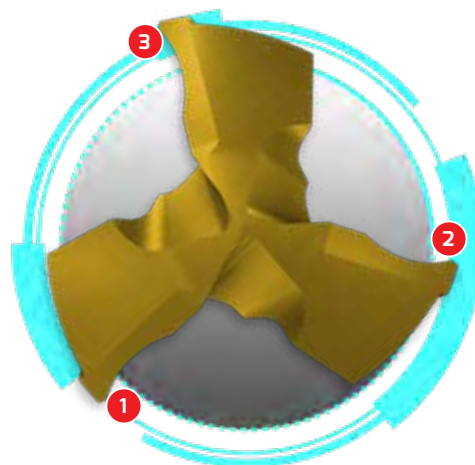
for Steel &  
Cast Iron



High  
Productivity



Cost Effective  
Insert



### Purchase

4 H3P... Assorted Inserts by pack size,  
choose from widths 0.472"-0.945"

**Receive 50%**

on Corresponding Drill Body up to 5XD

Use Promo Code: **2005A**



### Purchase

6 H3P... Assorted Inserts by pack size,  
choose from widths 0.472"-0.945"

**Receive 75%**

on Corresponding Drill Body up to 5XD

Use Promo Code: **2005B**



The **SUMOCHAM** drill line comprises a revolutionary clamping system for precise machining and high productivity. The wide variety of exchangeable heads provides solutions for drilling all types of materials and applications. **SUMOCHAM** is the most productive and profitable solution for the holemaking industry.



1

## Purchase

4 ICP / ICK / ICM Assorted inserts by pack size, choose from widths 0.157"-0.236" (of the same size)

**Receive 50%  
Additional Discount**

on Corresponding Drill Body (DCN) up to 5XD

Use Promo Code: **2026A**



2

## Purchase

6 ICP / ICK / ICM Assorted inserts by pack size, choose from widths 0.157"-0.236" (of the same size)

**Receive 75%  
Additional Discount**

on Corresponding Drill Body (DCN) up to 5XD

Use Promo Code: **2026B**



3

## Purchase

8 ICP / ICK / ICM Assorted inserts by pack size, choose from widths 0.157"-0.236" (of the same size)

**Receive**

Corresponding Drill Body (DCN) up to 5XD

**Free of Charge**

Use Promo Code: **2027A**



- 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



1

## Purchase

2 Solid Carbide Mill Thread Assorted Tools

**Receive 15%  
Additional Discount**

Use Promo Code: **2007A**



2

## Purchase

4 Solid Carbide Mill Thread Assorted Tools

**Receive 25%  
Additional Discount**

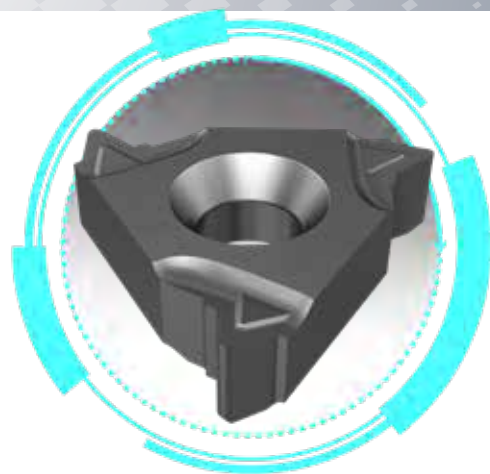
Use Promo Code: **2007B**





ISCAR offers product families that provide solutions for both external and internal threads according to most standards. ISCAR'S products for thread turning operations can be divided into three main groups, each containing several families/lines:

Tools carrying ISO standard inserts - used for both external and internal threads, including **ISCAR THREAD** laydown inserts.

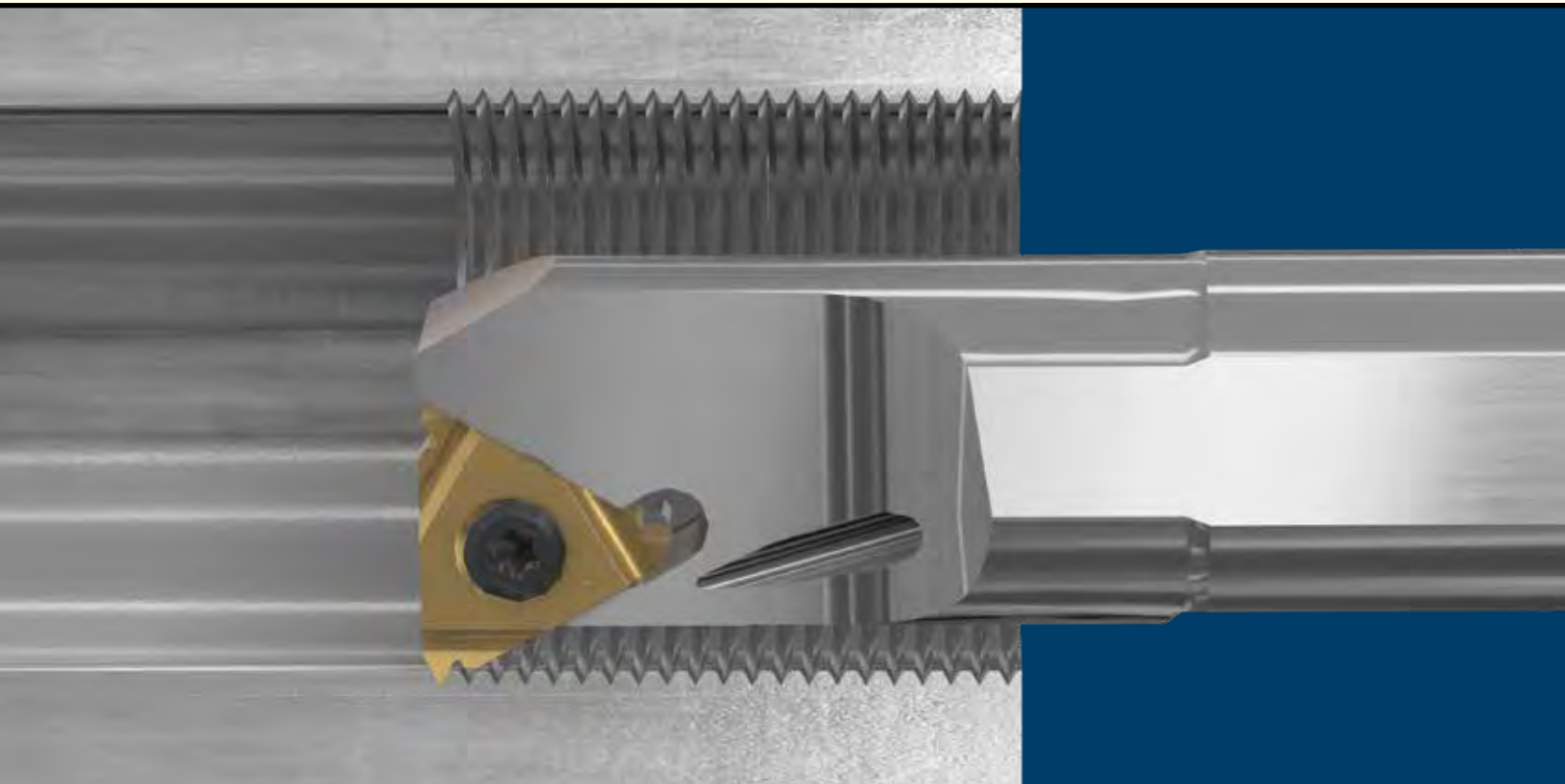


## Purchase

20 Assorted Inserts by pack size,  
choose from widths 11-16 mm

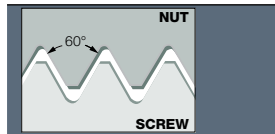
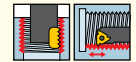
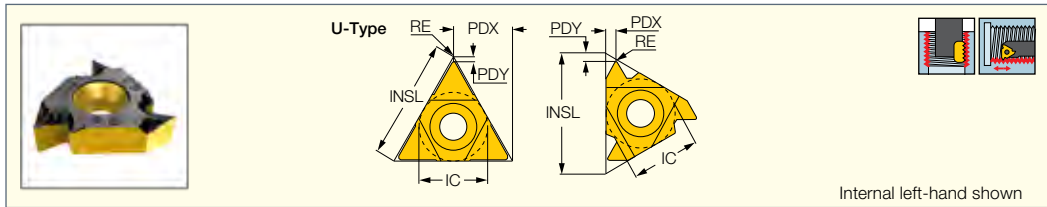
**Receive 25%**  
**Additional Discount**

Use Promo Code: **2008A**



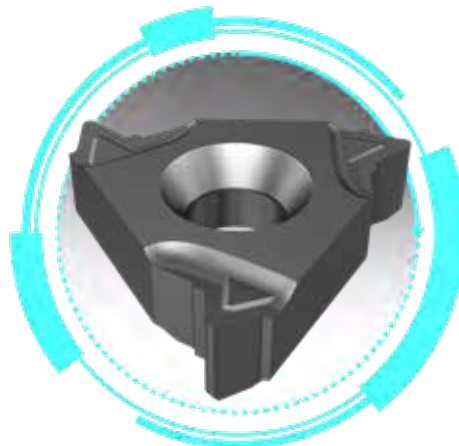
**IR/L-60°**

Internal Laydown Threading Inserts with a 60° Partial Profile for General Industry



Designation	Dimensions									Tough ↔ Hard								
	IC	TPN <sup>(2)</sup>	TPX <sup>(3)</sup>	TPIX <sup>(4)</sup>	TPIN <sup>(5)</sup>	INSL	RE	PDY	PDX	IC28	IC228	IC50M	IC250	IC08	IC508	IC808	IC908	IC1007
<b>06IR/L A 60</b>	.157	.500	1.250	48.00	20.00	.271	.002	.02	.02	•	•							
<b>06IRM A 60</b> <sup>(1)</sup>	.157	.500	1.250	48.00	20.00	.271	.002	.02	.02		•							
<b>08IR/L A 60</b>	.197	.500	1.500	48.00	16.00	.324	.002	.02	.03	•	•							
<b>08IRM A 60</b> <sup>(1)</sup>	.197	.500	1.500	48.00	16.00	.324	.002	.02	.03		•					•	•	•
<b>08UIRL U 60</b>	.197	1.750	2.000	14.00	11.00	.324	.004	.03	.16		•							
<b>11IR/L A 60</b>	.250	.500	1.500	48.00	16.00	.433	.002	.03	.04		•	•	•	•			•	•
<b>11IRM A 60</b> <sup>(1)</sup>	.250	.500	1.500	48.00	16.00	.433	.002	.03	.04		•	•	•			•	•	•
<b>16IR/L A 60</b>	.375	.500	1.500	48.00	16.00	.649	.002	.03	.03		•	•	•				•	•
<b>16IRM A 60</b> <sup>(1)</sup>	.375	.500	1.500	48.00	16.00	.649	.002	.03	.03		•	•	•				•	•
<b>16IR/L AG 60</b>	.375	.500	3.000	48.00	8.00	.649	.002	.05	.07		•	•	•		•		•	•
<b>16IRB AG 60</b> <sup>(1)</sup>	.375	.500	3.000	48.00	8.00	.649	.001	.05	.07		•	•	•				•	•
<b>16IRM AG 60</b> <sup>(1)</sup>	.375	.500	3.000	48.00	8.00	.649	.002	.05	.07		•	•	•			•	•	•
<b>16IR/L G 60</b>	.375	1.750	3.000	14.00	8.00	.649	.005	.05	.07		•	•	•				•	•
<b>16IRB G 60</b> <sup>(1)</sup>	.375	1.750	3.000	14.00	8.00	.649	.005	.05	.07		•	•	•				•	•
<b>16IRM G 60</b> <sup>(1)</sup>	.375	1.750	3.000	14.00	8.00	.649	.004	.05	.07		•	•	•			•	•	•
<b>22IR/L N 60</b>	.500	3.500	5.000	7.00	5.00	.866	.009	.07	.10				•				•	•
<b>22IRM N 60</b> <sup>(1)</sup>	.500	3.500	5.000	7.00	5.00	.866	.007	.07	.10				•				•	•
<b>27IR/L Q 60</b>	.625	5.500	6.000	4.50	4.00	1.083	.012	.08	.12				•				•	•

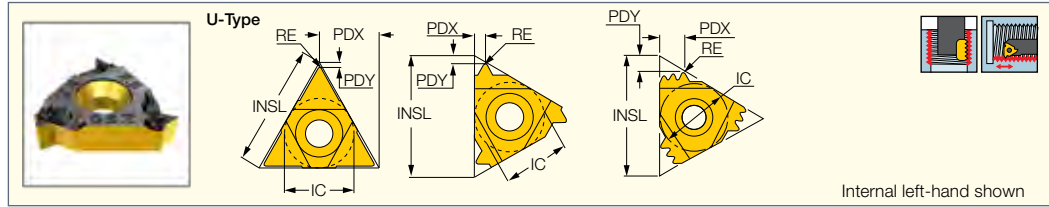
<sup>(1)</sup> With a pressed chipformer  
<sup>(2)</sup> Thread pitch minimum (mm)  
<sup>(3)</sup> Thread pitch maximum (mm)  
<sup>(4)</sup> Threads per inch maximum  
<sup>(5)</sup> Threads per inch minimum



For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**IR/L-ISO (continued)**

Internal ISO Metric (DIN13 12-1986 class 6H)  
Laydown Threading Inserts for General Industry



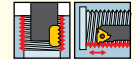
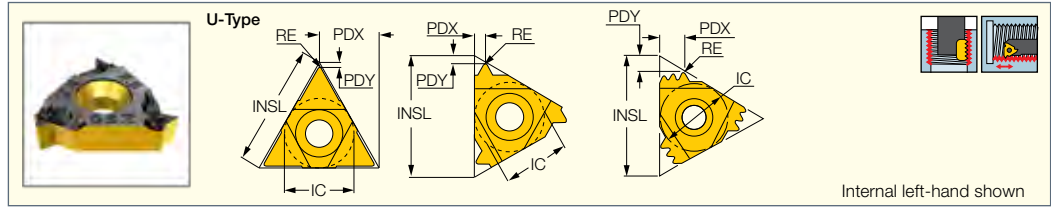
Designation	Dimensions							Tough ← Hard									
	IC	TP <sup>(3)</sup>	RE	INSL	PDY	PDX	CICT <sup>(4)</sup>	IC28	IC228	IC928	IC50M	IC250	IC08	IC508	IC808	IC908	IC1007
06IR/L 0.50 ISO	.157	.500	.002	.271	.04	.02	1		•	•							•
06IR/L 0.75 ISO	.157	.750	.002	.271	.02	.02	1		•	•							•
06IR/L 1.00 ISO	.157	1.000	.002	.271	.02	.02	1		•	•							•
06IR/L 1.25 ISO	.157	1.250	.003	.271	.02	.02	1		•	•							•
08IR/L 0.50 ISO	.197	.500	.002	.324	.02	.02	1		•	•							•
08IR 0.75 ISO	.197	.750	.002	.324	.02	.02	1		•	•							•
08IR/L 1.00 ISO	.197	1.000	.002	.324	.02	.02	1		•	•							•
08IR/L 1.25 ISO	.197	1.250	.003	.324	.03	.03	1		•	•							•
08IR/L 1.50 ISO	.197	1.500	.004	.324	.03	.03	1	•	•	•							•
08IR/L 1.75 ISO	.197	1.750	.004	.324	.02	.03	1		•	•							•
08UIRL 2.00 ISO	.197	2.000	.005	.324	.04	.16	1		•								•
11IR/L 0.35 ISO	.250	.350	.001	.433	.03	.01	1						•				•
11IR 0.40 ISO	.250	.400	.001	.433	.03	.02	1										•
11IR/L 0.50 ISO	.250	.500	.002	.433	.03	.02	1					•	•				•
11IRB 0.50 ISO	.250	.500	.002	.433	.03	.02	1										•
11IR 0.70 ISO	.250	.700	.002	.433	.02	.02	1										•
11IR/L 0.75 ISO	.250	.750	.002	.433	.02	.02	1										•
11IRB 0.75 ISO	.250	.750	.002	.433	.02	.02	1										•
11IR 0.80 ISO	.250	.800	.002	.433	.02	.02	1										•
11IRB 0.80 ISO	.250	.800	.002	.433	.02	.02	1										•
11IR/L 1.00 ISO	.250	1.000	.003	.433	.02	.03	1		•		•	•	•				•
11IRB 1.00 ISO	.250	1.000	.003	.433	.02	.02	1										•
11IRM 1.00 ISO <sup>(1)</sup>	.250	1.000	.002	.433	.02	.03	1								•		•
11IR/L 1.25 ISO	.250	1.250	.004	.433	.04	.03	1										•
11IRB 1.25 ISO	.250	1.250	.004	.433	.03	.04	1										•
11IR/L 1.50 ISO	.250	1.500	.004	.433	.03	.04	1		•		•	•	•				•
11IRB 1.50 ISO	.250	1.500	.004	.433	.03	.04	1										•
11IRM 1.50 ISO <sup>(1)</sup>	.250	1.500	.003	.433	.03	.04	1					•					•
11IR/L 1.75 ISO	.250	1.750	.005	.433	.03	.04	1				•						•
11IRB 1.75 ISO	.250	1.750	.005	.433	.03	.04	1										•
11IR/L 2.00 ISO	.250	2.000	.006	.433	.03	.04	1		•			•	•				•
16IR 0.35 ISO	.375	.350	.001	.649	.02	.01	1										•
16IR/L 0.40 ISO	.375	.400	.001	.649	.03	.02	1										•
16IL 0.45 ISO	.375	.450	.001	.649	.03	.02	1										•
16IR/L 0.50 ISO	.375	.500	.002	.649	.03	.02	1					•	•				•
16IR 0.60 ISO	.375	.600	.001	.649	.02	.02	1										•
16IR 0.70 ISO	.375	.700	.002	.649	.02	.02	1					•					•
16IR/L 0.75 ISO	.375	.750	.002	.649	.02	.02	1										•
16IR/L 0.80 ISO	.375	.800	.002	.649	.02	.02	1					•	•				•
16IR/L 1.00 ISO	.375	1.000	.003	.649	.03	.03	1					•	•	•			•
16IR 1.00 ISO 3M <sup>(2)</sup>	.375	1.000	.003	.649	.06	.10	3										•
16IRB 1.00 ISO <sup>(1)</sup>	.375	1.000	.003	.649	.03	.03	1										•
16IRM 1.00 ISO <sup>(1)</sup>	.375	1.000	.002	.649	.02	.03	1					•	•	•	•		•
16IR/L 1.25 ISO	.375	1.250	.003	.649	.03	.04	1					•	•	•			•
16IRB 1.25 ISO <sup>(1)</sup>	.375	1.250	.004	.649	.03	.03	1										•
16IRM 1.25 ISO <sup>(1)</sup>	.375	1.250	.002	.649	.03	.04	1					•					•
16IR/L 1.50 ISO	.375	1.500	.004	.649	.04	.05	1		•		•	•	•				•

• Tolerance: Class 6H.  
<sup>(1)</sup> With pressed chipformer  
<sup>(2)</sup> Multi-tooth  
<sup>(3)</sup> Thread pitch  
<sup>(4)</sup> Number of teeth per corner

For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**IR/L-ISO**

Internal ISO Metric (DIN13  
12-1986 class 6H)  
Laydown Threading Inserts  
for General Industry



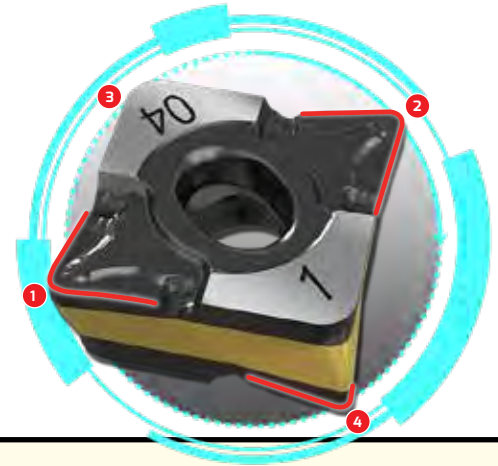
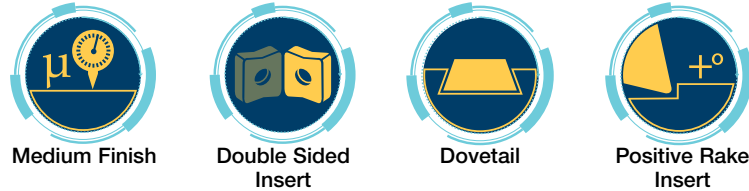
Designation	Dimensions							Tough ← Hard										
	IC	TP <sup>(3)</sup>	RE	INSL	PDY	PDX	CICT <sup>(4)</sup>	IC28	IC228	IC928	IC50M	IC250	IC08	IC508	IC808	IC908	IC1007	
16IR 1.50 ISO 2M <sup>(2)</sup>	.375	1.500	.004	.649	.06	.09	2										•	
16IRB 1.50 ISO <sup>(1)</sup>	.375	1.500	.004	.649	.04	.05	1										•	
16IRM 1.50 ISO <sup>(1)</sup>	.375	1.500	.003	.649	.03	.04	1				•	•		•	•	•	•	
16IR/L 1.75 ISO	.375	1.750	.005	.649	.04	.05	1					•	•				•	
16IRB 1.75 ISO <sup>(1)</sup>	.375	1.750	.005	.649	.04	.05	1										•	
16IRM 1.75 ISO <sup>(1)</sup>	.375	1.750	.004	.649	.04	.05	1					•			•	•	•	
16IR/L 2.00 ISO	.375	2.000	.006	.649	.04	.05	1		•			•		•			•	•
16IR 2.00 ISO 2M <sup>(2)</sup>	.375	2.000	.004	.649	.07	.11	2										•	
16IRB 2.00 ISO <sup>(1)</sup>	.375	2.000	.006	.649	.04	.05	1										•	
16IRM 2.00 ISO <sup>(1)</sup>	.375	2.000	.004	.649	.04	.05	1					•			•	•	•	•
16IR/L 2.50 ISO	.375	2.500	.007	.649	.05	.06	1		•			•					•	•
16IRB 2.50 ISO	.375	2.500	.007	.649	.05	.06	1										•	
16IRM 2.50 ISO <sup>(1)</sup>	.375	2.500	.006	.649	.04	.06	1					•			•	•	•	•
16IR/L 3.00 ISO	.375	3.000	.008	.649	.04	.06	1		•			•					•	•
16IRB 3.00 ISO <sup>(1)</sup>	.375	3.000	.009	.649	.04	.06	1										•	
16IRM 3.00 ISO <sup>(1)</sup>	.375	3.000	.007	.649	.04	.06	1					•		•	•	•	•	•
22IR 1.50 ISO 3M <sup>(2)</sup>	.500	1.500	.003	.866	.09	.15	3					•					•	
22IR 2.00 ISO 2M <sup>(2)</sup>	.500	2.000	.004	.866	.09	.12	2										•	
22IR 2.00 ISO 3M <sup>(2)</sup>	.500	2.000	.003	.866	.13	.20	3										•	
22IL 3.00 ISO	.500	3.000	.007	.866	.04	.06	1		•								•	
22IR/L 3.50 ISO	.500	3.500	.009	.866	.06	.09	1					•					•	•
22IR/L 4.00 ISO	.500	4.000	.011	.866	.06	.09	1				•	•					•	
22IR/L 4.50 ISO	.500	4.500	.012	.866	.06	.09	1					•					•	
22IR/L 5.00 ISO	.500	5.000	.013	.866	.07	.10	1				•	•					•	
22IR 6.00 ISO	.500	6.000	.016	.866	.07	.10	1										•	
22UIRL 5.50 ISO	.500	5.500	.014	.866	.09	.43	1					•					•	
22UIRL 6.00 ISO	.500	6.000	.015	.866	.08	.43	1					•					•	
27IR 3.00 ISO 2M <sup>(2)</sup>	.625	3.000	.007	1.083	.11	.18	2										•	
27IR 5.50 ISO	.625	5.500	.014	1.083	.07	.10	1					•					•	
27IR 6.00 ISO	.625	6.000	.016	1.083	.07	.10	1					•					•	
27UIRL 8.00 ISO	.625	8.000	.020	1.083	.07	.43	1										•	

• Tolerance: Class 6H.  
<sup>(1)</sup> With pressed chipformer  
<sup>(2)</sup> Multi-tooth  
<sup>(3)</sup> Thread pitch  
<sup>(4)</sup> Number of teeth per corner

For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

**Double Sided Insert with 4 Positive Cutting Edges**

ISCAR offers double sided inserts with 4 unique cutting edges as an advantageous alternative to the conventional ISO standard positive inserts with 2 cutting edges.



**Purchase**  
20 CXMG 09 Assorted Inserts by pack size

**Receive 50% Additional Discount**  
on the Corresponding External Holder

Use Promo Code: **2009A**

\* JHP Adapters with internal coolant channels are not included

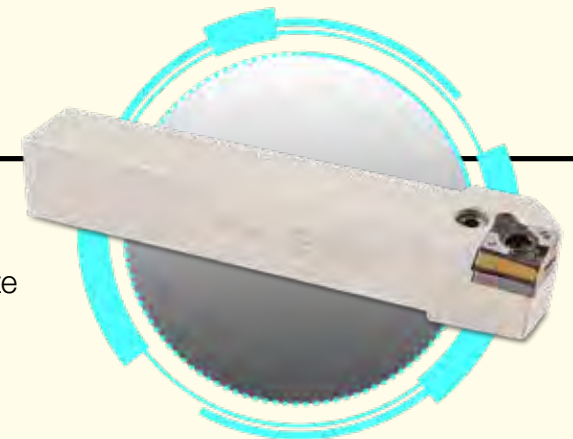


**Purchase**  
30 CXMG 09 Assorted Inserts by pack size

**Receive External Holder Free of Charge**

Use Promo Code: **2009B**

\* JHP Adapters with internal coolant channels are not included



**Purchase**  
30 CXMG 09 Assorted Inserts by pack size

**Receive 50% Additional Discount**  
on the Corresponding Internal Holder

Use Promo Code: **2009C**

\* JHP Adapters with internal coolant channels are not included



## Purchase

20 CXMG 12 mm Assorted Inserts by pack size

**Receive 50%**

**Additional Discount**  
on the Corresponding External Holder

Use Promo Code: **2010A**

\* JHP Adapters with internal coolant channels are not included



## Purchase

30 CXMG 12 mm Assorted Inserts by pack size

**Receive**

Corresponding External Holder

**Free of Charge**

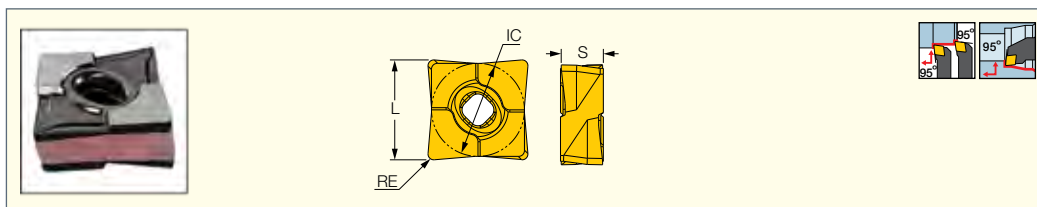
Use Promo Code: **2010B**

\* JHP Adapters with internal coolant channels are not included



### CXMG-F3M

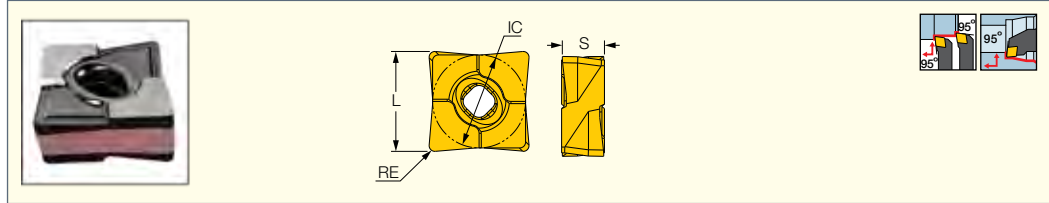
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing on Stainless Steel and H.T.A.



Designation	Dimensions				Tough ↔ Hard				Recommended Machining Data	
	L	IC	S	RE	IC6025	IC6015	IC806	IC807	a <sub>p</sub> (inch)	f (IPR)
CXMG 090402-F3M	.409	.368	.183	.0079		•	•	•	.012-.079	.0012-.0059
CXMG 090404-F3M	.409	.368	.183	.0157			•	•	.016-.079	.0020-.0098
CXMG 12T504-F3M	.544	.492	.228	.0157	•		•	•	.016-.079	.0020-.0098
CXMG 12T508-F3M	.541	.492	.228	.0315	•		•	•	.031-.079	.0020-.0098

**CXMG-M3M**

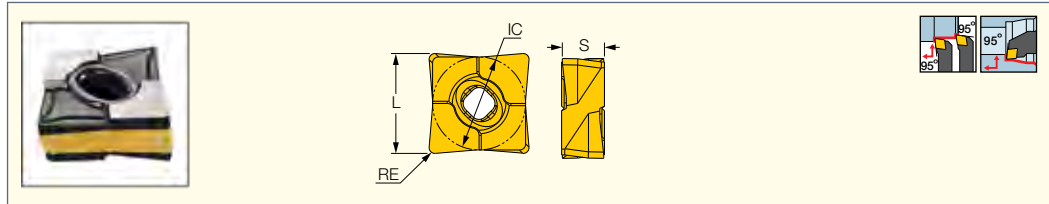
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Medium Machining on Stainless Steel and H.T.A.



Designation	Dimensions				Tough ↔ Hard			Recommended Machining Data	
	L	IC	S	RE	IC6025	IC806	IC807	a <sub>p</sub> (inch)	f (IPR)
CXMG 090408-M3M	.406	.368	.183	.0315	●	●	●	.031-.118	.0059-.0197
CXMG 12T508-M3M	.541	.492	.228	.0315	●	●	●	.031-.197	.0059-.0197
CXMG 12T512-M3M	.539	.492	.228	.0472	●	●	●	.047-.197	.0059-.0197

**CXMG-F3P**

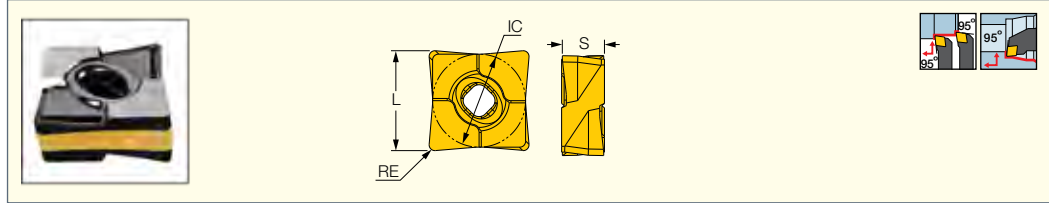
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing on Alloyed Steel



Designation	Dimensions				Tough ↔ Hard		Recommended Machining Data	
	L	IC	S	RE	IC8150	IC807	a <sub>p</sub> (inch)	f (IPR)
CXMG 090402-F3P	.409	.368	.183	.0079	●	●	.012-.079	.0012-.0059
CXMG 090404-F3P	.409	.368	.183	.0157	●	●	.016-.079	.0020-.0098
CXMG 12T504-F3P	.544	.492	.228	.0157	●	●	.016-.079	.0020-.0098
CXMG 12T508-F3P	.541	.492	.228	.0315	●	●	.031-.079	.0020-.0098

**CXMG-M3P**

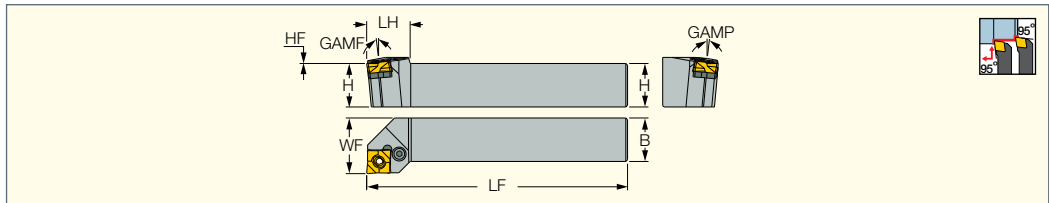
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Medium Machining on Alloyed Steel



Designation	Dimensions				Tough ↔ Hard		Recommended Machining Data	
	L	IC	S	RE	IC8250	IC8150	a <sub>p</sub> (inch)	f (IPR)
CXMG 090408-M3P	.406	.368	.183	.0315	●	●	.031-.118	.0039-.0197
CXMG 12T508-M3P	.541	.492	.228	.0315	●	●	.031-.197	.0039-.0197
CXMG 12T512-M3P	.539	.492	.228	.0472	●	●	.047-.197	.0039-.0197

**PCLXR/L**

Lever Lock Tools Carrying the CXMG 80° Rhombic Inserts



Designation	B	H	HF	LF	LH	WF	GAMP	GAMF	Insert
PCLXR/L 08-3X	.500	.500	.500	3.250	.875	.625	6.0	6.0	CXMG 09..
PCLXR/L 10-3X	.625	.625	.625	4.000	.800	.800	6.0	6.0	CXMG 09..
PCLXR/L 12-4X	.750	.750	.750	4.500	1.000	1.000	6.0	6.0	CXMG 12..
PCLXR/L 16-4X	1.000	1.000	1.000	6.000	1.000	1.250	6.0	6.0	CXMG 12..

For complete item list and technical information pertaining to this promotion, see ISCAR's electronic catalog

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