

2021

PROMO

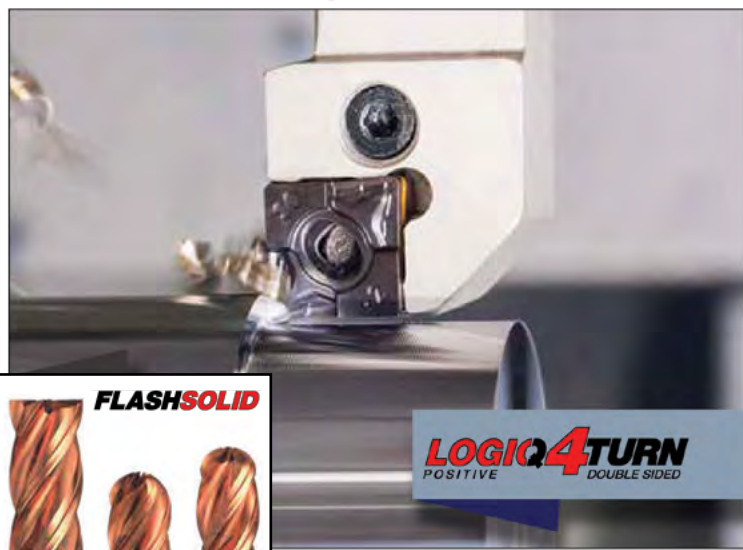
NEOLOGIQ
MACHINING INTELLIGENTLY

valid until December 31st 2021

MACHINING IN **INDUSTRY 4.0**
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NEODO
590° LINE



LOGIQ4TURN
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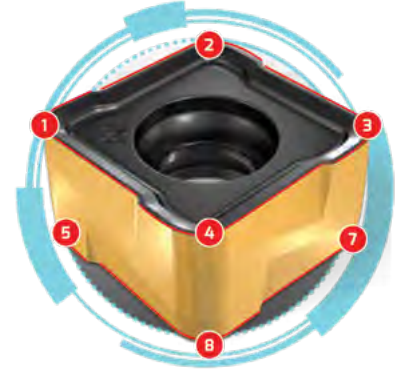



NEODO
S90° LINE

Innovations 2021

Exact 90° Shouldering

A New Milling Line for Square Shoulder and Face Milling.
A Unique Exact 90° Profile with 8 Cutting Edges in Combination with a Dovetail Clamping Method Enables Higher Cutting Conditions and Assures Better Productivity.





Purchase
10 S890 SZMU 08 Inserts per Pocket

Receive
Corresponding Cutter S890 FSZ...-R08

Free

Use Promo Code: **T2140** * Up to 5"



NEODO
S90° LINE

- **90° Square shoulder and face milling**
- **Square inserts with 8 cutting edges**
- Advanced cutting geometry which reduces cutting forces and assures smooth cutting and low power consumption

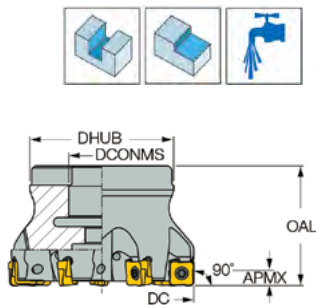
- A highly economical solution which provides an optimal price per cutting edge
- Excellent performance for diverse machining conditions and interrupted cuts

HIGH METAL REMOVAL RATES
• STEEL • STAINLESS • CAST IRON

Starting feed per tooth Fz for S890 face mills with inserts S890 SZMU 08...

S890 FSZ-R08

Face Mills



ISO class	Description	Typical representative		Hardness HB	Fz, IPT, for grades				
					IC 5100	IC810	IC808	IC845	IC5400
P	Non-alloy steel	1020	1.044	130-180			.004"-.01"	.004"-.01"	.004"-.01"
	Alloy steel	4340	1.658	260-300			.004"-.007"	.004"-.007"	.004"-.007"
		4340	1.658	HRC 35-42*			.004"-.007"	.004"-.007"	.004"-.007"
	High alloy steel	H13	1.234	200-220			.003"-.005"	.003"-.005"	.003"-.005"
M	Martensitic s.s.	420	1.402	200			.003"-.005"	.003"-.005"	.003"-.005"
		304L	1.431	200			.004"-.006"	.004"-.006"	.004"-.006"
	Austenitic s.s.	316L	1.440	140			.004"-.006"	.004"-.006"	.004"-.006"
K	Grey cast iron	Class 40	0.6025 (GG25)	250	.006"-.01"	.006"-.01"			
	Nodular cast iron	Class 65-45-12	0.7050 (GGG50)	200	.005"-.008"	.005"-.008"			
H	Hard steel and cast iron	H11	1.234	HRC 45-49			.002"-.004"	.002"-.004"	.002"-.004"
		P20	1.2330	HRC 50-55			.002"-.004"	.002"-.004"	.002"-.004"

PART #	DC	DCONMS	APMX	OAL	DHUB	Arbor	Z ⁽¹⁾
S890-FSZ-D1.5-05-0.75-R08	1.500	.750	.2000	1.500	1.440	A	5
S890-FSZ-D1.5-06-0.75-R08	1.500	.750	.2000	1.500	1.440	A	6
S890-FSZ-D2.0-06-0.75-R08	2.000	.750	.2000	1.500	1.850	A	6
S890-FSZ-D2.0-08-0.75-R08	2.000	.750	.2000	1.500	1.850	A	8
S890-FSZ-D2.5-07-1.00-R08	2.500	1.000	.2000	1.750	2.250	A	7
S890-FSZ-D2.5-10-1.00-R08	2.500	1.000	.2000	1.750	2.250	A	10
S890-FSZ-D3.0-08-1.00-R08	3.000	1.000	.2000	1.750	2.250	B	8
S890-FSZ-D3.0-12-1.00-R08	3.000	1.000	.2000	1.750	2.250	B	12
S890-FSZ-D4.0-10-1.50-R08	4.000	1.500	.2000	2.000	3.230	B	10
S890-FSZ-D4.0-14-1.50-R08	4.000	1.500	.2000	2.000	3.230	B	14
S890-FSZ-D5.0-12-1.50-R08	5.000	1.500	.2000	2.000	3.800	B	12
S890-FSZ-D5.0-18-1.50-R08	5.000	1.500	.2000	2.000	3.800	B	18

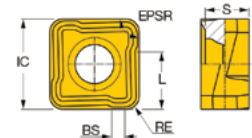
SCREW	KEY
SR-M3X0.5-L7.4-IP9	IP-9/151

- Use only Torx Plus keys
- (1) Number of inserts

INSERTS

S890 SZMU-0804PN

Square Double-Sided Inserts with 8 Cutting Edges



PART #	IC	S	L	BS	RE	EPSR	Tough ↔ Hard					Recommended Machining Data fz (inch/t)
							IC845	IC5400	IC808	IC810	IC5100	
S890-SZMU-080412PNTR	.323	.157	.205	.047	.0472	88.4						.0047-.0098
S890-SZMU-080412PNRMM	.323	.157	.205	.047	.0472	88.4	•	•	•	•	•	.0031-.0098

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LOGIQ4FEED
HIGH FEED MILLING

High Feed Milling



Unique Twisted High Positive
4 Cutting Edged Insert. A Range of
Tools from 0.5" Endmills up to 5" Facemills.
This New Line of Tools Enables Machining
at Very High Feeds for High Productivity.

Purchase

10 FFX4 XNMU 04 Inserts per Pocket

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Corresponding Cutter FFX4 FD/ED...-08

Free * Up to 5"

Use Promo Code: T2142

LOGIQ4FEED
HIGH FEED MILLING

- Covers a wide range of applications
- Suitable for machining a wide range of workpiece materials
- An optimal solution for rough milling operations
- Ensures high metal removal rates
- Economical solution

Tool features:

- The cutter carries double-sided inserts with four cutting edges
- Positive rake angle
- Maximum .0787" depth of cut
- 18° cutting edge angle
- Ramping down capabilities
- Coolant holes directed to each individual cutting edge



Purchase

10 FFX4 XNMU 04 Inserts per Pocket

Receive

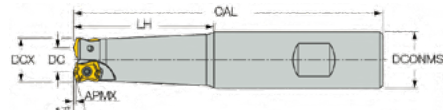
Corresponding Cutter FFX4 FD/ED...-04

Free * Up to 2"

Use Promo Code: T2141

LOGIQ4FEED
HIGH FEED MILLING

HIGH FEED MILLING DIA .5-1.5"

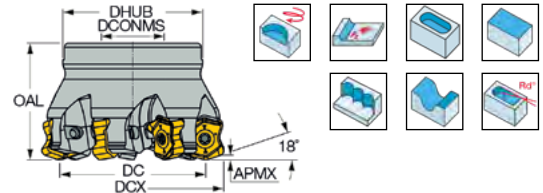


FFX4-ED Endmills Carrying Small Double-Sided "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling

USE INSERT: FFX4-XNMU-04

FFX FD
Face Mills Carrying "Bone Shape" Inserts with 4 Cutting Edges

USE INSERT: FFX4-XNMU-080620T



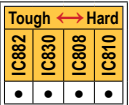
PART #	DCX ⁽¹⁾	DC	Z ⁽²⁾	APMX	AE ⁽³⁾	OAL	DHUB	DCONMS	RD ⁽⁴⁾	MDN ⁽⁵⁾	MDX ⁽⁶⁾	Rg ⁽⁷⁾
FFX4-FD2.00-4-0.75-08	2.000	1.386	4	.0787	.307	1.750	1.850	.750	3.2	3.386	3.961	.157
FFX4-FD2.50-5-1.00-08	2.500	1.886	5	.0787	.307	1.750	2.252	1.000	2.2	4.386	4.961	.157
FFX4-FD3.00-6-1.00-08	3.000	2.386	6	.0787	.307	2.000	2.252	1.000	1.7	5.386	5.961	.157
FFX4-FD4.00-8-1.50-08	4.000	3.386	8	.0787	.307	2.000	3.228	1.500	1.0	7.386	7.961	.157
FFX4-FD5.00-10-1.50-08	5.000	4.386	10	.0787	.307	2.000	3.780	1.500	0.9	9.386	9.961	.157

• To generate a straight surface without cusps, the width of cut must not exceed DC
⁽¹⁾Cutting diameter maximum ⁽²⁾Number of inserts ⁽³⁾Maximum plunging width ⁽⁴⁾Ramping angle maximum ⁽⁵⁾Machinable diameter minimum for interpolation ⁽⁶⁾Machinable diameter maximum for interpolation ⁽⁷⁾Radius for programming

FFX4 XNMU-08 "Bone Shape" Inserts with 4 Cutting Edges

PART #	INSL	S1	RE	W1
FFX4-XNMU-080620T	.705	.307	.0787	.614
FFX4-XNMU-080620HP				

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



ap = DEPTH OF CUT
vc = CUTTING SPEED (sfm)
fz = FEED (INCH/TOOTH)

Averaged cutting data for FFX4-08 fast feed cutters

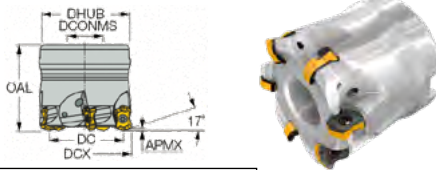
Material	Hardness, HB	Typical Representative AISI/SAE/ASTM	Insert Type	Carbide Grade	Cutting speed vc [sfm]	Feed fz [inch/tooth]	Coolant
P	130-180	1020	T	IC808	490-590	.0157-.0472	Dry
				IC830	490-590	.0157-.0472	Dry/Wet
	260-300	4340		IC808	490-590	.0157-.0472	Dry/Wet
				IC830	390-590	.0157-.0472	Dry/Wet
	200-220	H13		IC808	430-580	.0157-.0472	Dry
				IC830	390-520	.0157-.0472	Dry/Wet
				IC808	390-560	.0157-.0472	Dry
200	420	IC830	330-490	.0157-.0472	Dry/Wet		
		IC808	360-520	.0157-.0472	Dry		
		IC830	330-490	.0157-.0472	Dry/Wet		
M	200	304L	HP	IC882	230-420	.0078-.0314	Dry
				IC808	330-520	.0078-.0314	Wet
K	250	Class 40	T	IC830	260-450	.0078-.0314	Dry
				IC810	490-720	.0157-.0472	Dry
S	220	330	HP	IC810	390-650	.0157-.0472	Dry
				IC882	130-200	.0078-.0275	Wet
				IC808	130-210	.0078-.0275	
				IC830	130-230	.0078-.0275	
				IC882	65-100	.0078-.0275	
	340	Inconel 718		IC808	80-130	.0078-.0275	
				IC830	75-110	.0078-.0275	
				IC882	100-160	.0078-.0275	
				IC808	130-190	.0078-.0275	
				IC830	110-180	.0078-.0275	
H	220	330	T	IC808	160-245	.0078-.0196	Dry

LOGIQ4FEED
HIGH FEED MILLING

FFX4-FD
Face Mills for Fast Feed Milling

USE INSERT:

FFX4-XNMU-04 SEE NEXT PAGE FOR MORE CUTTERS



PART #	DCX	DC	Z(1)	APMX	OAL	DHUB	DCONMS	Rd°
FFX4-FD1.50-6-05-04	1.500	1.209	6	.031	1.500	1.417	.500	1.0
FFX4-FD2.00-7-75-04	2.000	1.709	7	.031	1.500	1.850	.750	0.6

• Radius for programming .071" • SCREW: 1-000-SR-M2.5x6-T7-60 • TORX KEY: 1-000-T-7/51
(1) Number of inserts

LOGIQ4FEED
HIGH FEED MILLING

FFX4-XNMU-04
Small "Bone Shape" Inserts with 4 Cutting Edges for Fast Feed Milling



PART #	INSL	S1	RE	W1	TOUGH ↔ HARD					ap (inch)	fz (inch/t)
					IC882	IC840	IC830	IC5820	IC808		
FFX4-XNMU-040310RM-HP	.377	.156	.0394	.282	•	•	•	•	•	.008-.031	.0079-.0315
FFX4-XNMU-040310RM-T					•	•	•	•	•		.0157-.0472
FFX4-XNMU-040310HP					•	•	•	•	•		.0079-.0315
FFX4-XNMU-040310T					•	•	•	•	•		.0157-.0472

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



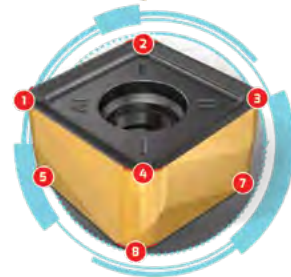
NEOFEED

HIGH FEED LINE

Innovations 2021

High Feed & Moderate Milling

Unique Insert with 8 Cutting Edges Performs at Fast Feed and Moderate Rates for Different Milling Applications.



Purchase

10 FFQ8 SZMU 12 Inserts per Pocket

Receive

Corresponding Cutter FFQ8/MFQ8 D...-12

Free

Use Promo Code: **T2143**

* Up to 4"



NEOFEED

HIGH EFFICIENCY
ROUGH MILLING

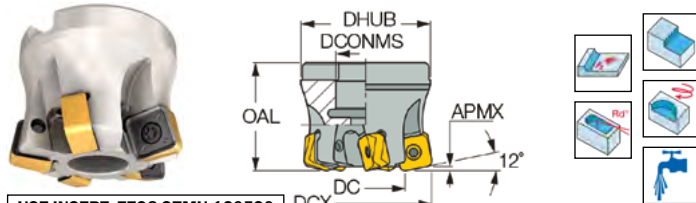
HIGH PRODUCTIVITY USING INSERTS WITH 8 CUTTING EDGES

EXTREMELY HIGH FEED

When mounted in a NEOFEED tool, the insert enables a positive tool rake angle which assures smooth cutting and reduced cutting forces and power consumption. The insert pocket has a dovetail shape that provides rigid and reliable insert clamping and improves the a cutter's capability to withstand heavy load. These features provide increased cutting data for better productivity and for improving tool life.

FFQ8-12 - FAST FEED

Fast Feed Face Mills Carrying Double-Sided Inserts with 8 Cutting Edges

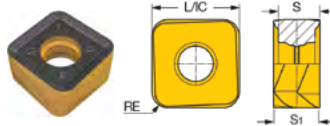


USE INSERT: FFQ8-SZMU-120520

PART #	DCX ⁽¹⁾	DC	APMX	Z ⁽²⁾	OAL	DHUB	DCONMS	RD ⁽³⁾	MDN ⁽⁴⁾	MDX ⁽⁵⁾
FFQ8-D2.00-05-0.75-12	2.000	1.236	.0600	5	1.625	1.850	.750	.3	3.236	3.960
FFQ8-D2.50-06-1.00-12	2.500	1.736	.0600	6	1.750	2.250	1.000	.2	4.236	4.960
FFQ8-D3.00-07-1.00-12	3.000	2.236	.0600	7	1.750	2.250	1.000	.2	5.236	5.960
FFQ8-D4.00-08-1.50-12	4.000	3.236	.0600	8	2.000	3.230	1.500	.1	7.236	7.960

- Radius for programming .142" • To generate a straight surface without cusps, the width of cut must not exceed DC • For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 30% ⁽¹⁾Cutting diameter maximum ⁽²⁾Number of inserts ⁽³⁾Maximum ramping angle ⁽⁴⁾⁽⁵⁾For interpolation

NEOFEED FFQ8 SZMU Square Double-Sided Inserts with 8 Cutting Edges for Fast Feed Milling



PART #	L	S	RE	S ₁
FFQ8-SZMU-120520T	.472	.230	.0787	.256

- T- for steel, ferritic and martensitic stainless steel, cast iron and hardened steel

FFQ8-SZMU-120520T

Average cutting data for FFQ8 fast feed cutters / MFQ8 Moderate feed cutters

CARBIDE GRADES

Tough ← Hard
IC830 ← IC808 ← IC810

Recommended Machining Data
fz (inch/t)
.0314-.0590

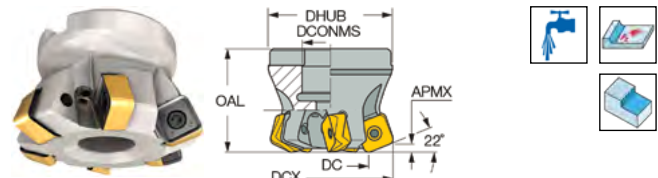
ISO class DIN/ISO 513	Description	Workpiece Material				Insert type	Carbide grade	Cutting speed Vc, [SFM]	Fast Feed cutters (FF)		Moderate Feed (MF)		Coolant		
		Iscar Mat. Group	Hardness, HB	Typical representative					D.O.C. Ap [inch]	Feed fz [ITP]	D.O.C. Ap [inch]	Feed fz [ITP]			
				AISI/SAE/ASTM	DIN W.-Nr.										
P	Non-alloy steel	1-5	130-180	1020	1.040	T	IC808	492-721	.019-.059	.007-.059	.019-.118	.007-.039	Dry		
		IC830	459-656	.007-.059	.007-.039		Dry/Wet								
	Low alloy steel	6-8	260-300	4340	1.658		IC808	459-656				.007-.059	.007-.039	Dry/Wet	
		IC830	393-590	.007-.059	.007-.039		Dry/Wet								
	High alloy steel	9	35-42**	HRC	3135		1.5710	IC808				426-590	.007-.055	.007-.035	Dry
		IC830	393-524	.007-.055	.007-.035		Dry/Wet								
K	Ferritic/martensitic stainless steel	10-11	200-220	H13	1.234	T	IC808	393-557	.019-.059	.007-.055	.019-.118	.007-.035	Dry		
		IC830	328-492	.007-.055	.007-.035		Dry/Wet								
	Grey cast iron	12-13	200	420	1.402		IC808	360-524				.007-.059	.007-.035	Dry	
		IC830	328-490	.007-.059	.007-.035		Dry/Wet								
	Nodular cast iron	15-18	250	Class 40	0.6025 (GG25)		1.402	IC810				492-721	.015-.059	.015-.039	Dry
		IC810	394-656	.015-.059	.015-.039		Dry								
H	Hardened steel	17-18	200	Class 65-45-12	0.7050 (GGG50)	T	IC810	394-656	.019-.059	.007-.023	.019-.118	.015-.039	Dry		
		IC810	394-656	.015-.059	.015-.039		Dry								
H	Hardened steel	38	45-49 HRC	HARDOX 450 plate		T	IC808	164-246	.019-.039	.007-.023	.019-.118	.007-.019	Dry		
		IC808	164-246	.019-.039	.007-.019		Dry								



MFQ8-12 - MODERATE FEED

Moderate Feed Face Mills Carrying Double-Sided Inserts with 8 Cutting Edges

- When milling near a wall using MFQ8, cutter up-milling is recommended



USE INSERT: FFQ8-SZMU-120520

PART #	DCX ⁽¹⁾	DC	APMX	Z ⁽²⁾	OAL	DHUB	DCONMS
MFQ8-D2.00-05-0.75-12	2.000	1.276	.1180	5	1.500	1.850	.750
MFQ8-D2.50-06-1.00-12	2.500	1.776	.1180	6	1.750	2.250	1.000
MFQ8-D3.00-07-1.00-12	3.000	2.276	.1180	7	1.750	2.250	1.000
MFQ8-D4.00-08-1.50-12	4.000	3.276	.1180	8	2.000	3.230	1.500

- Radius for programming .197" • To generate a straight surface without cusps, the width of cut must not exceed DC • For slot milling or machining with high tool overhang, the maximum depth of cut should be reduced by 30% ⁽¹⁾Cutting diameter maximum ⁽²⁾Number of inserts

SPARE PARTS

FOR CUTTERS	PART#: 1-000-			
	SCREW	TORX BLADE	T-HANDLE	SCREW 1
F/M FFQ8-D2.00-05-0.75-12	SR-M4X0.7-L11.5-IP15	BLD-IP15/S7	SW6-T-SH	SR-UNF-3/8X1-B18.3
F/M FFQ8-D2.50-06-1.00-12	SR-M4X0.7-L11.5-IP15	BLD-IP15/S7	SW6-T-SH	SR-UNF-1/2X20X1-B18.3
F/M FFQ8-D3.00-07-1.00-12	SR-M4X0.7-L11.5-IP15	BLD-IP15/S7	SW6-T-SH	SR-UNF-1/2X20X1-B18.3
F/M FFQ8-D4.00-08-1.50-12	SR-M4X0.7-L11.5-IP15	BLD-IP15/M7	SW6-T-SH	



* ISCAR material group in accordance with VDI 3323 standard
** Quenched and tempered
For machining in unstable conditions, the recommended cutting data should be reduced by 20-30%

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LOGIQ4TURN
POSITIVE DOUBLE SIDED

Innovations 2021



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30 CXMG 09... Assorted Inserts

Receive 50% Additional Discount

on the Corresponding External Holder

Use Promo Code: **T2157**



Purchase

40 CXMG 09... Assorted Inserts

Receive Free

Corresponding External Holder

Use Promo Code: **T2157**



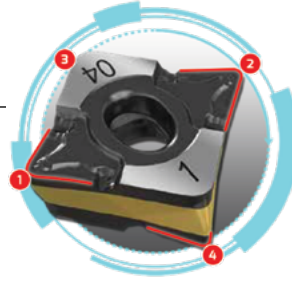
Purchase

40 CXMG 09... Assorted Inserts

Receive 50% Additional Discount

on the Corresponding Internal Holder

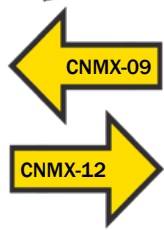
Code: **T2157**



Double-Sided Insert with 4 Positive Cutting Edges

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

SPECIAL OFFERS



Purchase

30 CXMG 12... Assorted Inserts

Receive 50% Additional Discount

on the Corresponding External Holder

Use Promo Code: **T2158**



Purchase

40 CXMG 12... Assorted Inserts

Receive Free

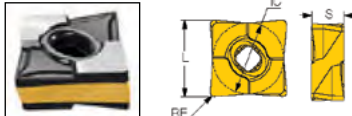
Corresponding External Holder

Use Promo Code: **T2158**



CXMG

80° Double-Sided and Double-Positive Inserts with a Positive Rake



PART #	I.C.	S	RE	L
CXMG-090404-*	.382	.183	.0157	.409
CXMG-090408-*			.0315	.406
CXMG-12T504-*			.0157	.544
CXMG-12T508-*	.504	.228	.0315	.541
CXMG-12T512-*			.0472	.539

* ADD CHIPBREAKER AND GRADE THIS SELECTION GUIDES:

CHIPBREAKER	APPLICATION
F3P	Finishing on alloyed steel
M3P	Medium machining on alloyed steel
F3M	Finishing on stainless and hi-temp alloys
M3M	Medium machining on stainless and hi-temp alloys

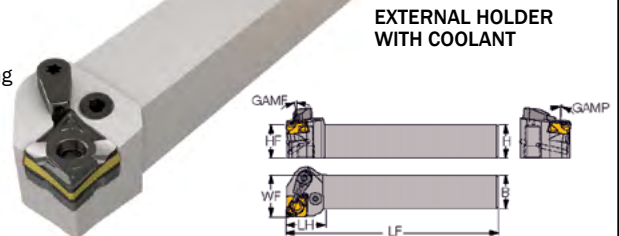
CARBIDE GRADE	APPLICATION
IC 8150	Finishing on alloyed steel
IC 8250	Medium cuts on alloyed steel
IC 8025	Stainless steel - medium cut
IC 806	Hi-temp alloys
IC 807	Stainless & hardened metals - interrupted cuts

ORDERING EXAMPLE:

CXMG-090408-M3P-IC8250

PCLXR/L-JHP

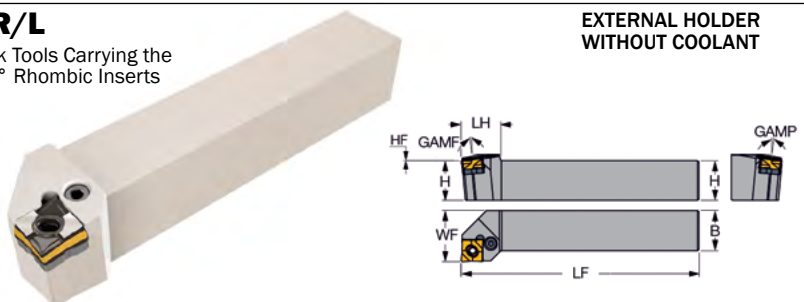
Lever Lock Tools with Channels for High Pressure Coolant Carrying the CXMG 80° Rhombic Inserts



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

PCLXR/L

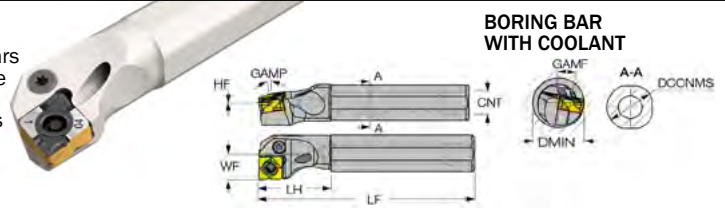
Lever Lock Tools Carrying the CXMG 80° Rhombic Inserts



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

A-PCLXR/L

Lever Lock Boring Bars Carrying the Negative CXMG 80° Rhombic Inserts



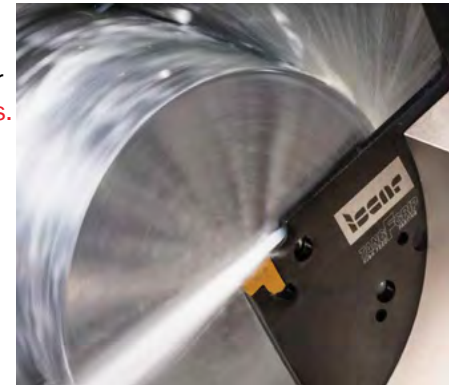
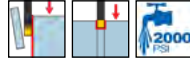
PART #	DCONMS	LF	LH	WF	HF	GAMP	GAMF	DMIN	CNT	INSERT
A-PCLXR/L-10-3X	.625	7.000	1.18	.433	.287	8.0	10.0	.750	UNC 3/8"-16	CXMG 09..
A-PCLXR/L-12-3X	.750	8.000	1.18	.512	.338	8.0	10.0	1.000	UNC 3/8"-16	
A-PCLXR/L-16-3X	1.000	10.000	1.57	.670	.460	6.0	8.0	1.250	UNC 1/2"-20	



Innovations 2021

High Feed Parting Tools

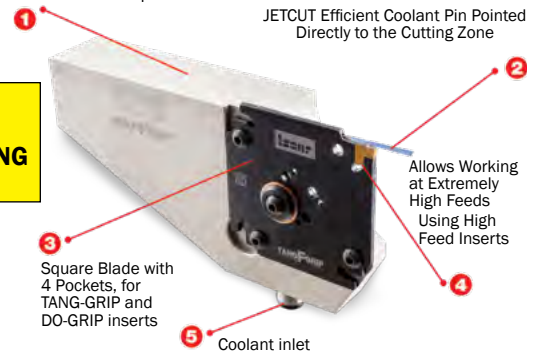
Revolutionary Quad Blade and Unique Holder
Enables Deeper Parting with High Feed Rates.
Guaranteed High Part Straightness,
and Improved Surface Finish



Parting with Extra Stability

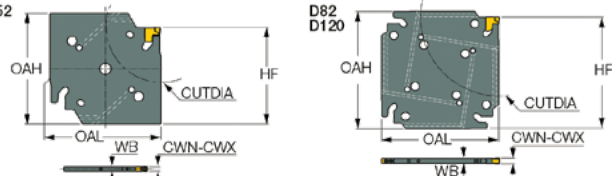
Reinforced and Robust Tool
Provides Extra Stability and Higher Productivity

Reinforced and robust tool block which
for incomparable stability
Suitable for TANGFGRIP
and DO-F-GRIP Square Blades



TOOL BLOCKS SHOWN ON THE FOLLOWING PAGE

TANGFGRIP BLADES FOR TANG-GRIP INSERTS



TGAQ-JHP BLADES

• WITH COOLANT HOLES

PART#	OAL	OAH	CWN ⁽¹⁾	CWX ⁽²⁾	WB	HF	CUTDIA	INSERTS
TGAQ-D52-2-2Z-JHP	1.968	1.97	.071	.098	.065	1.713	2.05	TAG-□2
TGAQ-D52-3-2Z-JHP	1.968	1.97	.110	.138	.098	1.713	2.05	TAG-□3
TGAQ-D52-4-2Z-JHP	1.968	1.97	.146	.177	.134	1.713	2.05	TAG-□4
TGAQ-D82-2-4Z-JHP	2.402	2.40	.071	.098	.065	2.283	3.23	TAG-□2
TGAQ-D82-3-4Z-JHP	2.402	2.40	.110	.138	.098	2.283	3.23	TAG-□3
TGAQ-D82-4-4Z-JHP	2.402	2.40	.146	.177	.134	2.283	3.23	TAG-□4
TGAQ-D120-3-4Z-JHP	3.563	3.56	.110	.138	.098	3.307	4.72	TAG-□3
TGAQ-D120-4-4Z-JHP	3.563	3.56	.146	.177	.134	3.307	4.72	TAG-□4
TGAQ-D120-5-4Z-JHP	3.563	3.56	.185	.217	.157	3.307	4.72	TAG-□5
TGAQ-D160-3-4Z-JHP	3.937	3.94	.110	.138	.098	3.819	6.30	TAG-□3
TGAQ-D160-4-4Z-JHP	3.937	3.94	.146	.177	.134	3.819	6.30	TAG-□4
TGAQ-D160-5-4Z-JHP	3.937	3.94	.185	.217	.157	3.819	6.30	TAG-□5

(1) Minimum cutting width (2) Maximum cutting width

TGAQ BLADES

• WITHOUT COOLANT HOLES

PART#	OAL	OAH	CWN ⁽¹⁾	CWX ⁽²⁾	WB	HF	CUTDIA	INSERTS
TGAQ-D52-2-2Z	1.968	1.97	.071	.098	.065	1.713	2.05	TAG 2
TGAQ-D52-3-2Z	1.968	1.97	.110	.138	.098	1.713	2.05	TAG 3
TGAQ-D52-4-2Z	1.968	1.97	.146	.177	.134	1.713	2.05	TAG 4
TGAQ-D82-2-4Z	2.402	2.40	.071	.098	.065	2.283	3.23	TAG 2
TGAQ-D82-3-4Z	2.402	2.40	.110	.138	.098	2.283	3.23	TAG 3
TGAQ-D82-4-4Z	2.402	2.40	.146	.177	.134	2.283	3.23	TAG 4
TGAQ-D120-3-4Z	3.563	3.56	.110	.138	.098	3.307	4.72	TAG 3
TGAQ-D120-4-4Z	3.563	3.56	.146	.177	.134	3.307	4.72	TAG 4
TGAQ-D120-5-4Z	3.563	3.56	.185	.217	.157	3.307	4.72	TAG 5
TGAQ-D160-3-4Z	3.937	3.94	.110	.138	.098	3.819	6.30	TAG 3
TGAQ-D160-4-4Z	3.937	3.94	.146	.177	.134	3.819	6.30	TAG 4
TGAQ-D160-5-4Z	3.937	3.94	.185	.217	.157	3.819	6.30	TAG 5

(1) Minimum cutting width (2) Maximum cutting width

1

Purchase
10 TAG Inserts from Width .079"-.197"
+ TGTBQ Block

Receive
Corresponding TGAQ Blade

Free

Use Promo Code: **T2144**

* JHP Holders are not included

2

Purchase
20 TAG Inserts
from Width .079"-.197"
+ TGTBQ Block

Receive
Corresponding JHP TGAQ Blade

Free

Use Promo Code: **T2145**

3

Purchase
20 TAG Inserts from Width .079"-.197"

Receive
Corresponding TGAQ Blade

Free

Use Promo Code: **T2146**

* JHP Holders are not included

4

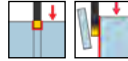
Purchase
30 TAG Inserts from Width .079"-.197"

Receive
Corresponding JHP TGAQ Blade

Free

Use Promo Code: **T2146**

NOTE: TAG INSERTS SHOWN ON PAGE 8



Innovations 2021

High Feed Parting Tools

Revolutionary Quad Blade and Unique Holder
Enables Deeper Parting with High Feed Rates.
Guaranteed Free Parting, High Part Straightness,
and Improved Surface Finish.



Purchase

10 DGN Inserts
from Width .079"-.197" + TGTBQ Block

Receive

Corresponding DGAQ Blade

Free

* JHP Holders are not included



Purchase

20 DGN Inserts
from Width .079"-.197" + TGTBQ Block

Receive

Corresponding JHP DGAQ Blade

Free

* JHP Holders are not included



Purchase

20 DGN Inserts from Width .079"-.197"

Receive

Corresponding DGAQ Blade

Free

* JHP Holders are not included



Purchase

30 DGN Inserts from Width .079"-.197"

Receive

Corresponding JHP DGAQ Blade

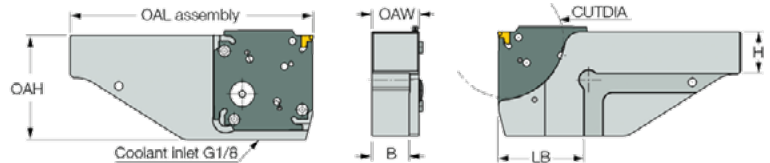
Free

* JHP Holders are not included

NOTE:
DGN INSERTS SHOWN
ON PAGE 8

TGTBQ-JHP TOOL-BLOCKS

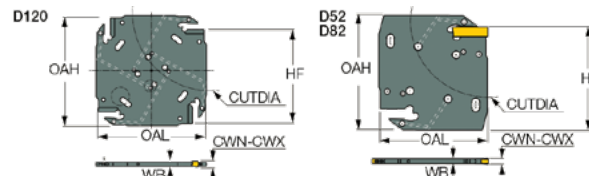
FOR BOTH TANG-F-GRIP
AND DO-F-GRIP BLADES



PART#	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	3.22
TGTBQ-19R-D82-JHP	2.52	.750	.772	1.008	5.512	2.087	3.22
TGTBQ-25.4L-D82-JHP	2.52	1.000	1.024	1.260	5.906	2.087	3.22
TGTBQ-25.4R-D82-JHP	2.52	1.000	1.024	1.260	5.906	2.087	3.22
TGTBQ-31.8L-D82-JHP	2.52	1.250	1.280	1.516	5.925	2.106	3.22
TGTBQ-31.8R-D82-JHP	2.52	1.250	1.280	1.516	5.925	2.106	3.22
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
TGTBQ-25.4L-D160-JHP	4.21	1.000	1.024	1.260	7.500	3.642	6.30
TGTBQ-25.4R-D160-JHP	4.21	1.000	1.024	1.260	7.500	3.642	6.30
TGTBQ-31.8L-D160-JHP	4.21	1.250	1.280	1.516	7.500	3.642	6.30
TGTBQ-31.8R-D160-JHP	4.21	1.250	1.280	1.516	7.500	3.642	6.30
TGTBQ-38.1L-D160-JHP	4.21	1.500	1.520	1.756	7.500	3.642	6.30
TGTBQ-38.1R-D160-JHP	4.21	1.500	1.520	1.756	7.500	3.642	6.30



BLADES FOR DO-GRIP INSERTS



DGAQ BLADES

• WITHOUT COOLANT HOLES

PART#	OAL	OAH	CWN ⁽¹⁾	CWX ⁽²⁾	WB	HF	CUTDIA	INSERTS
DGAQ-D52-2-2Z	1.968	1.97	.075	.098	.068	1.713	2.05	DGN 2
DGAQ-D52-3-2Z	1.968	1.97	.118	.125	.098	1.713	2.05	DGN 3
DGAQ-D52-4-2Z	1.968	1.97	.157	.157	.126	1.713	2.05	DGN 4
DGAQ-D82-3-2Z	2.402	2.54	.118	.125	.098	2.283	3.23	DGN 3
DGAQ-D82-4-2Z	2.402	2.54	.157	.157	.126	2.283	3.23	DGN 4
DGAQ-D82-5-2Z	2.402	2.54	.197	.197	.157	2.283	3.23	DGN 5
DGAQ-D120-4-4Z	3.563	3.56	.157	.157	.126	3.307	4.72	DGN 4
DGAQ-D120-5-4Z	3.563	3.56	.197	.197	.157	3.307	4.72	DGN 5

DGAQ-JHP BLADES

• WITH COOLANT HOLES

PART#	OAL	OAH	CWN ⁽¹⁾	CWX ⁽²⁾	WB	HF	CUTDIA	INSERTS
DGAQ-D52-2-2Z-JHP	1.968	1.97	.075	.098	.068	1.713	2.05	DG□-2
DGAQ-D52-3-2Z-JHP	1.968	1.97	.118	.125	.098	1.713	2.05	DG□-3
DGAQ-D52-4-2Z-JHP	1.968	1.97	.157	.157	.126	1.713	2.05	DG□-4
DGAQ-D82-3-2Z-JHP	2.402	2.54	.118	.125	.098	2.283	3.23	DG□-3
DGAQ-D82-4-2Z-JHP	2.402	2.54	.157	.157	.126	2.283	3.23	DG□-4
DGAQ-D82-5-2Z-JHP	2.402	2.54	.197	.197	.157	2.283	3.23	DG□-5
DGAQ-D120-4-4Z-JHP	3.563	3.56	.157	.157	.126	3.307	4.72	DG□-4
DGAQ-D120-5-4Z-JHP	3.563	3.56	.197	.197	.157	3.307	4.72	DG□-5

• 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.

(1) Minimum cutting width (2) Maximum cutting width



SOLIDTHREAD

Innovations 2021

ISCAR offers product families that provide solutions for both external and internal threads according to most standards.

- More flutes in relation to cutting diameter, helical flutes reduce cutting forces
- Sharp ground helical cutting edges
- 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



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Minimum 4 Solid Carbide Mill Thread Assorted Tools

Receive 25% Additional Discount

Use Promo Code: **T2155**





FLASHSOLID

HIGH PERFORMANCE SOLID CARBIDE ENDMILLS

THE MOST ADVANCED COATING FOR THE BEST PERFORMANCE



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Any Quantity

Save 20%



Purchase
4 of the
Same Size

Save 25%

- NOW AVAILABLE IN 3, 4, 5, 6 & 7 FLUTES
- OFFERED WITH TWO STYLED SHANKS:
 1. WELDON (WITH FLAT)
 2. CYLINDRICAL

- VARIABLE FLUTES FOR CHATTER DAMPENING
- ADVANCED MULTILAYER TiAlCN COATING
- PVD OXIDATION RESISTANT FOR PROLONGED TOOL LIFE
- 4 AND 5 FLUTES WITH LARGE ASSORTMENT OF COMPETITIVELY PRICED ITEMS WITH MANY OVERALL LENGTHS, CUTTING LENGTHS, NECK RELIEF AND CORNER RADIUS OPTIONS



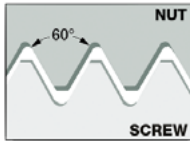


ISCAR THREAD LAYDOWN THREADING SYSTEMS

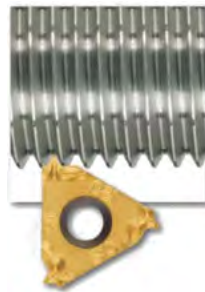
PARTIAL PROFILE 60°



- Performs different thread standards and suitable for a wide range of pitches which have a common angle (60° or 55°).
- Inserts with small root-corner radius suitable for the smallest pitch of the range.
- Additional operation to complete the outer/internal diameter is necessary.
- Not recommended for mass production.
- Eliminates the need for different inserts.



FULL PROFILE 60° UN



- Performs complete thread profile.
- Root corner radius is suitable only for the relevant pitch.
- Recommended for mass production.
- Suitable for one profile only.

HOLDERS SHOWN ON THE NEXT PAGE



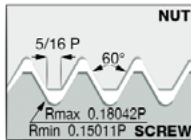
M = With Chipbreaker
B = Ground with Chipbreaker

I.C.	PITCH RANGE		PART #	
	mm	TPI	INTERNAL*	EXTERNAL*
5/32"	0.5-1.25	48-20	06IR/L-A60	-
	0.5-1.25	48-20	06IR/LM-A60	-
3/16"	0.5-1.5	48-16	08IR/L-A60	-
	0.5-1.5	48-16	08IR/LM-A60	-
1/4"	0.5-1.5	48-16	11IR/L-A60	11ER/L-A60
	0.5-1.5	48-16	11IR/LM-A60	-
3/8"	0.5-1.5	48-16	16IR/L-A60	16ER/L-A60
	0.5-1.5	48-16	16IR/LB/M-A60	16ER/LB/M-A60
	1.75-3.0	14-8	16IR/L-G60	16ER/L-G60
	1.75-3.0	14-8	16IR/LB/M-G60	16ER/LB/M-G60
	0.5-3.0	48-8	16IR/L-AG60	16ER/L-AG60
	0.5-3.0	48-8	16IR/LB/M-AG60	16ER/LB/M-AG60
1/2"	3.5-5.0	7-5	22IR/L-N60	22ER/L-N60
	3.5-5.0	7-5	22IR/LM-N60	22ER/LM-N60
5/8"	5.5-6.0	4.5-4	27IR/L-Q60	27ER/L-Q60
	5.5-6.0	4.5-4	27IR/LM-Q60	-
3/16" U	1.75-2.0	14-11	08UIRL-U60	-
1/2" U	5.5-8.0	4.5-3.25	22UEIRL-U60	-
5/8" U	6.5-9.0	4.2-7.5	27UEIRL-U60	-

* R- For Right Hand. L- For Left Hand

UNJ - FULL PROFILE

Application: Aircraft and Aerospace Industry



D	PITCH TPI	PART #		
		INTERNAL	EXTERNAL	
1/4	48	11IR/L-48UNJ	11ER/L-48UNJ	
	44	11IR/L-44UNJ	11ER/L-44UNJ	
	40	11IR/L-40UNJ	11ER/L-40UNJ	
	36	11IR/L-36UNJ	11ER/L-36UNJ	
	32	11IR/L-32UNJ	11ER/L-32UNJ	
	28	11IR/L-28UNJ	11ER/L-28UNJ	
	24	11IR/L-24UNJ	11ER/L-24UNJ	
	20	11IR/L-20UNJ	11ER/L-20UNJ	
	18	11IR/L-18UNJ	11ER/L-18UNJ	
	16	11IR/L-16UNJ	11ER/L-16UNJ	
	14	11IR/L-14UNJ	11ER/L-14UNJ	
	3/8	48	16IR/L-48UNJ	16ER/L-48UNJ
		44	16IR/L-44UNJ	16ER/L-44UNJ
		40	16IR/L-40UNJ	16ER/L-40UNJ
36		16IR/L-36UNJ	16ER/L-36UNJ	
32		16IR/L-32UNJ	16ER/L-32UNJ	
28		16IR/L-28UNJ	16ER/L-28UNJ	
24		16IR/L-24UNJ	16ER/L-24UNJ	
20		16IR/L-20UNJ	16ER/L-20UNJ	
18		16IR/L-18UNJ	16ER/L-18UNJ	
16		16IR/L-16UNJ	16ER/L-16UNJ	
14		16IR/L-14UNJ	16ER/L-14UNJ	
12		16IR/L-12UNJ	16ER/L-12UNJ	
11		16IR/L-11UNJ	16ER/L-11UNJ	
10		16IR/L-10UNJ	16ER/L-10UNJ	
9	16IR/L-9UNJ	16ER/L-9UNJ		
8	16IR/L-8UNJ	16ER/L-8UNJ		

I.C.	PITCH TPI	PART #		
		INTERNAL	EXTERNAL	
5/32"	32	06IR/L-32UN	-	
	28	06IR/L-28UN	-	
	24	06IR/L-24UN	-	
	20	06IR/L-20UN	-	
	18	06IR/L-18UN	-	
	3/16"	32	08IR/L-32UN	-
28		08IR/L-28UN	-	
24		08IR/L-24UN	-	
20		08IR/L-20UN	-	
18		08IR/L-18UN	-	
16		08IR/L-16UN	-	
14		08IR/L-14UN	-	
13		08UIR/L-13UN	-	
12		08UIR/L-12UN	-	
11		08UIR/L-11UN	-	
1/4"		72	11IR/L-72UN	-
		64	11IR/L-64UN	-
	56	11IR/L-56UN	11ER/L-56UN	
	48	11IR/L-48UN	11ER/L-48UN	
	44	-	11ER/L-44UN	
	40	11IR/L-40UN	11ER/L-40UN	
	36	11IR/L-36UN	11ER/L-36UN	
	32	11IR/L-32UN	11ER/L-32UN	
	28	11IR/L-28UN	11ER/L-28UN	
	24	11IR/L-24UN	11ER/L-24UN	
	20	11IR/L-20UN	11ER/L-20UN	
	18	11IR/L-18UN	11ER/L-18UN	
	16	11IR/L-16UN	11ER/L-16UN	
	14	11IR/L-14UN	-	
3/8"	56	16IR/L-56UN	16ER/L-56UN	
	48	16IR/L-48UN	16ER/L-48UN	
	44	16IR/L-44UN	-	
	40	16IR/L-40UN	16ER/L-40UN	
	36	16IR/L-36UN	16ER/L-36UN	
	32	16IR/L-32UN	16ER/L-32UN	
	28	16IR/L-28UN	16ER/L-28UN	
	24	16IR/L-24UN	16ER/L-24UN	
	20	16IR/L-20UN	16ER/L-20UN	
	18	16IR/L-18UN	16ER/L-18UN	
	16	16IR/L-16UN	16ER/L-16UN	
	14	16IR/L-14UN	16ER/L-14UN	
	13	16IR/LB/M-14UN	16ER/LB/M-14UN	
	13	16IR/L-13UN	16ER/L-13UN	
1/2"	12	16IR/L-12UN	16ER/L-12UN	
	12	16IR/LM-12UN	16ER/LB/M-12UN	
	11.5	16IR/L-11.5UN	16ER/L-11.5UN	
	11	16IR/L-11UN	16ER/L-11UN	
	11	-	16ERB-11UN	
	10	16IR/L-10UN	16ER/L-10UN	
	10	16IR/L-10UN	16ERB-10UN	
	9	16IR/L-9UN	16ER/L-9UN	
	9	-	16ERB-9UN	
	8	16IR/L-8UN	16ER/L-8UN	
	8	16IR/LB/M-8UN	16ER/LB/M-8UN	
	1/2"	7	22IR/L-7UN	22ER/L-7UN
		6	22IR/L-6UN	22ER/L-6UN
		5	22IR/L-5UN	22ER/L-5UN
5/8"	4.5	27IR/L-4.5UN	27ER/L-4.5UN	
	4	27IR/L-4UN	27ER/L-4UN	
1/2" U	4.5	22UIRL-4.5UN	22UERL-4.5UN	
	4	22UIRL-4UN	22UERL-4UN	
5/8" U	3	27UIRL-3UN	27UERL-3UN	

**Save 59%
On Any Quantity**

ACME & STUB ACME - FULL PROFILE

ACME

I.C.	PITCH TPI	PART #	
		INTERNAL	EXTERNAL
3/8"	16	16IR/L-16ACME	16ER/L-16ACME
	14	16IR/L-14ACME	16ER/L-14ACME
	12	16IR/L-12ACME	16ER/L-12ACME
	10	16IR/L-10ACME	16ER/L-10ACME
	8	16IR/L-8ACME	16ER/L-8ACME
1/2"	6	22IR/L-6ACME	22ER/L-6ACME
	5	22IR/L-5ACME	22ER/L-5ACME
5/8"	4	27IR/L-4ACME	27ER/L-4ACME
	3	27IR/L-3ACME	27ER/L-3ACME

STUB ACME

I.C.	PITCH TPI	PART #	
		INTERNAL	EXTERNAL
3/8"	16	16IR/L-16STACME	16ER/L-16STACME
	14	16IR/L-14STACME	16ER/L-14STACME
	12	16IR/L-12STACME	16ER/L-12STACME
	10	16IR/L-10STACME	16ER/L-10STACME
	8	16IR/L-8STACME	16ER/L-8STACME
1/2"	6	22IR/L-6STACME	22ER/L-6STACME
	5	22IR/L-5STACME	22ER/L-5STACME
5/8"	4	27IR/L-4STACME	27ER/L-4STACME
	3	27IR/L-3STACME	27ER/L-3STACME

NPT & NPTF - FULL PROFILE (PIPE)

NPT

I.C.	PITCH TPI	PART #	
		INTERNAL	EXTERNAL
5/32"	27	06IR/L-27NPT	-
3/16"	18	08IR/L-18NPT	-
1/4"	27	11IR/L-27NPT	-
	18	11IR/L-18NPT	-
	14	11IR/L-14NPT	-
3/8"	27	16IR/L-27NPT	16ER/L-27NPT
	18	16IR/L-18NPT	16ER/L-18NPT
	14	-	16ER/LB/M-18NPT
	14	16IR/L-14NPT	16ER/L-14NPT
	14	16IR/LB/M-14NPT	16ER/LB/M-14NPT
	11.5	16IR/L-11.5NPT	16ER/L-11.5NPT
	11.5	16IR/LB/M-11.5NPT	16ER/LB/M-11.5NPT
	8	16IR/L-8NPT	16ER/L-8NPT
8	16IRB/M-8NPT	16ER/LB/M-8NPT	

NPTF

I.C.	PITCH TPI	PART #	
		INTERNAL	EXTERNAL
5/32"	27	06IR/L-27NPTF	-
3/16"	27	08IR/L-27NPTF	-
	18	08IR/L-18NPTF	-
	14	11IR/L-14NPTF	-
1/4"	27	11IR/L-27NPTF	11ER/L-27NPTF
	18	11IR/L-18NPTF	11ER/L-18NPTF
	14	11IR/L-14NPTF	11ER/L-14NPTF
3/8"	27	16IR/L-27NPTF	16ER/L-27NPTF
	18	16IR/L-18NPTF	16ER/L-18NPTF
	14	16IR/L-14NPTF	16ER/L-14NPTF
	11.5	16IR/L-11.5NPTF	16ER/L-11.5NPTF
	8	16IR/L-8NPTF	16ER/L-8NPTF

BASS TOOL & SUPPLY, INC.

2300 Fairway Park Dr.

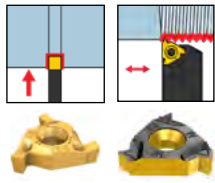
Houston, TX 77092

ISCARTHREAD LAYDOWN THREADING SYSTEMS

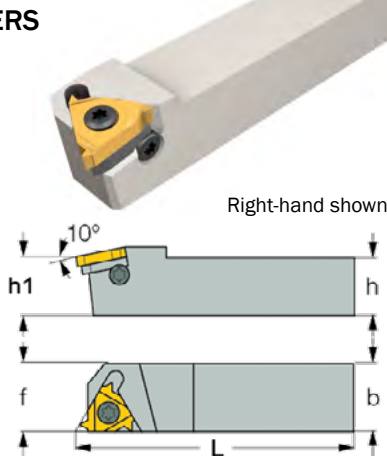
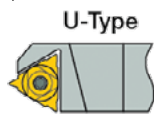


Save 59%
On Any Quantity
of Laydown Threading Inserts
 See Previous Page

EXTERNAL TOOLHOLDERS

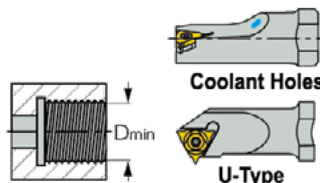
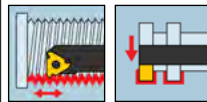


For threading use
 inserts: 11, 16, 22, 27 ER/EL
 For grooving use
 inserts: GTMA, GTGA

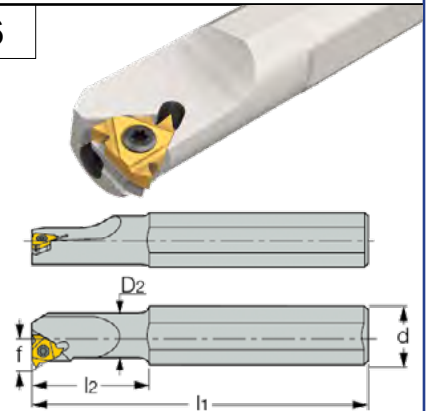


Right-hand shown

INTERNAL TOOLHOLDERS



Right-hand shown



PART #	d	D2	l1	l2	D min	f	COOLANT HOLE	Shank m.(4)	INSERT(5)
SIR/L-0205-H06CB(1)	.250	.200	4.000	1.00	.240	.17	Y	C	06 IR..
SIR/L-0205-H06-W(2)	.500	.200	4.000	.50	.250	.17	N	S	06 IR/IL..
SIR/L-0265-K08(3)	.625	.260	5.000	.71	.315	.21	N	S	08 IR/IL..
SIR-0265-K08CB(1)	.315	.260	5.000	1.20	.315	.21	Y	C	08 IR..
SIR/L-0310-K08U(3)	.625	.290	5.000	.71	.315	.21	N	S	08 UIRL..
SIR-0310-K08UCB(1)	.315	.290	5.000	1.40	.355	.25	Y	C	08 UIR..
SIR/L-0375-H11(3)	.380	.380	4.000	-	.470	.29	N	S	11 IR/IL..
SIR/L-0375-K11(3)	.620	.380	5.000	1.00	.470	.26	N	S	11 IR/IL..
SIR/L-0375-K11B(3)	.625	.380	5.000	.98	.470	.28	Y	S	11 IR/IL..
SIR-0375-M11CB(1)	.380	.380	6.000	-	.500	.29	Y	C	11 IR..
SIR/L-0500-L11(3)	.625	.500	5.500	1.25	.630	.32	N	S	11 IR/IL..
SIR-0500-P11CB(1)	.500	.500	7.000	-	.600	.33	Y	C	11 IR..
SIR/L-0500-M16(3)	.625	.500	6.000	1.25	.640	.39	N	S	16 IR/IL..
SIR/L-0500-M16B(3)	.625	.500	6.000	1.26	.640	.39	Y	S	16 IR/IL..
SIR/L-0625-P16(3)	.750	.625	7.000	1.50	.750	.45	N	S	16 IR/IL..
SIR/L-0625-P16B(3)	.750	.625	7.000	1.57	.750	.45	Y	S	16 IR/IL..
SIR-0625-R16CB(1)	.625	.625	8.000	-	.750	.46	Y	C	16 IR..
SIR/L-0750-P16	.750	.750	7.000	-	1.000	.51	N	S	16 IR/IL..
SIR-0750-P16B	.750	.750	7.000	-	.900	.90	Y	S	16 IR..
SIR/L-1000-R16	1.000	1.000	8.000	-	1.200	.65	N	S	16 IR/IL..
SIR-1000-R16B	1.000	1.000	8.000	-	1.160	.65	Y	S	16 IR..
SIR/L-1250-S16	1.250	1.250	10.000	-	1.420	.77	N	S	16 IR/IL..
SIR/L-1500-T16	1.500	1.500	12.000	-	1.650	.90	N	S	16 IR/IL..
SIR/L-0750-P22	.750	.750	7.000	-	.950	.51	N	S	22 IR/IL..
SIR/L-1000-R22	1.000	1.000	8.000	-	1.200	.71	N	S	22 IR/IL..
SIR-1000-R22B	1.000	1.000	8.000	-	1.160	.71	Y	S	22 IR..
SIR/L-1250-S22	1.250	1.250	10.000	-	1.500	.85	N	S	22 IR/IL..
SIR/L-1250-S22U	1.250	1.250	10.000	-	1.500	1.01	N	S	22 UIRL..
SIR-1500-T22U	1.500	1.500	12.000	-	1.850	1.12	N	S	22 UIRL..
SIR/L-1250-S27	1.250	1.250	10.000	-	1.560	.88	N	S	27 IR/IL..
SIR/L-1500-T27	1.500	1.500	12.000	-	1.800	1.00	N	S	27 IR/IL..
SIR/L-1250-S27U	1.250	1.250	10.000	-	1.560	.98	N	S	27 UIRL..

- B-steel shank with coolant hole, C-carbide shank without coolant hole, CB-carbide shank with coolant hole
 - All toolholders are made for 1.5 helix angle
 - For GTGA inserts, use anvil AL 16-0
- (1) Carbide shank without anvil
 - (2) Toolholder without anvil • WBMT 060102 R/L for internal turning
 - (3) Toolholder without anvil
 - (4) C-carbide, S-steel
 - (5) Right-hand inserts (IR) for right-hand tools (SIR)

PART #	DIMENSIONS			SPARE PARTS 1-000-			INSERTS (1)	
	B, h, h1	L	F	INSERT SCREW	ANVIL SCREW	TORX KEY	STYLE	I.C.
SER/L-0310-H11	0.31	4.00	0.43	S11	—	T-8/5	11ER/L	1/4
SER/L-0375-H11	0.38	4.00	0.43					
SER/L-0375-D16	0.38	2.50	0.63	S16	A16	T-10/5	16ER/L	3/8
SER/L-0500-F16	0.50	3.25	0.63					
SER/L-0625-H16	0.63	4.00	0.63					
SER/L-0750-K16	0.75	5.00	0.75					
SER/L-1000-M16	1.00	6.00	1.00					
SER/L-1250-P16	1.25	7.00	1.25					
SER/L-1000-M22	1.00	6.00	1.00	S22	A22	T-20/5	22ER/L	1/2
SER/L-1250-P22	1.25	7.00	1.25					
SER/L-1500-R22	1.50	8.00	1.50					
SER/L-1250-P22U	1.25	7.00	1.25	S22	A22	T-20/5	22UER/L	1/2U
SER/L-1500-R22U	1.50	8.00	1.50					
SER/L-1000-M27	1.00	6.00	1.00	S27	A27	K27 (T-25)	27ER/L	5/8
SER/L-1250-P27	1.25	7.00	1.25					
SER/L-1500-R27	1.50	8.00	1.50					
SER/L-1250-P27U	1.25	7.00	1.25	S27	A27	K27 (T-25)	27UER/L	5/8U
SER/L-1500-R27U	1.50	8.00	1.50					

(1) Right-hand inserts (ER) for right-hand tools (SER).
 Left-hand inserts (EL) for left-hand tools (SEL).