

2021

PROMO

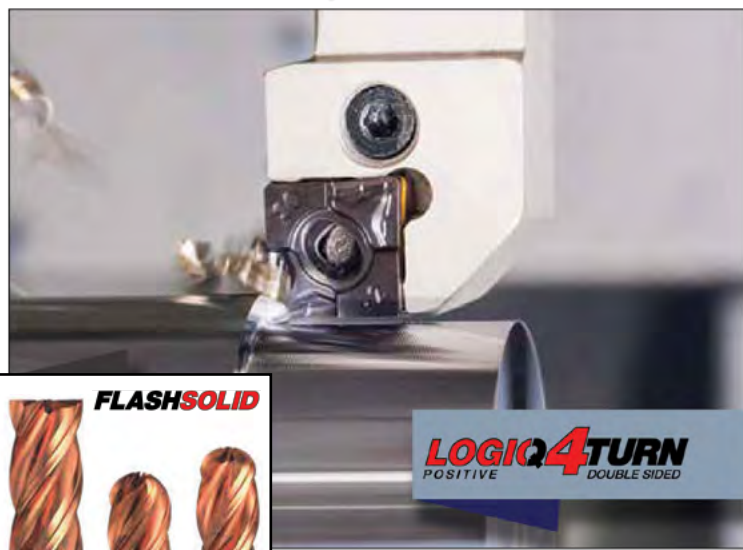
NEOLOGIQ
MACHINING INTELLIGENTLY

valid until December 31st 2021

MACHINING IN DUSTRY 4.0
TELLIGENTLY



NEODO
590° LINE



LOGIQ4TURN
POSITIVE DOUBLE SIDED



ISCARTHREAD



FLASHSOLID



LOGIQFGRIP
HIGH FEED Y-AXIS



MILLTHREAD



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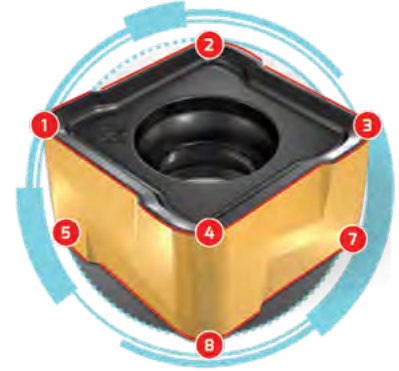



NEODO
S90° LINE

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"



- **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

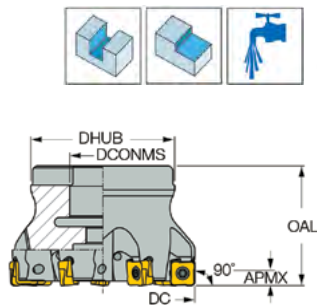
- A highly economical solution which provides an optimal price per cutting edge
- Excellent performance for diverse machining conditions and interrupted cuts

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"
	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

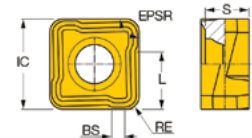
SCREW	KEY
SR-M3X0.5-L7.4-IP9	IP-9/151

- 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



LOGIQ4FEED

HIGH FEED MILLING

Innovations 2021

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

Receive

Corresponding Cutter FFX4 FD/ED...-04

Free



Use Promo Code: **T2142**

* Up to 2"



Purchase

10 FFX4 XNMU 04 Inserts per Pocket

Receive

Corresponding Cutter FFX4 FD/ED...-04

Free

Use Promo Code: **T2141**

* Up to 2"

LOGIQ4FEED

HIGH FEED MILLING

HIGH FEED MILLING

Tool features:

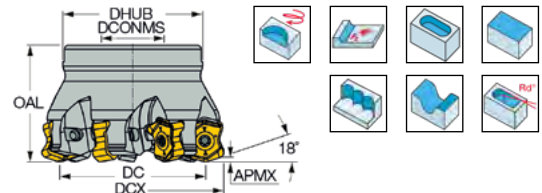
- The cutter carries double-sided inserts with four cutting edges
- Positive rake angle
- Maximum .0787" depth of cut
- .18" cutting edge angle
- Coolant holes directed to each individual cutting edge
- Covers a wide range of applications
- Suitable for machining a wide range of workpiece materials
- An optimal solution for rough milling operations
- Ensures high metal removal rates
- Economical solution



FFX4 FD

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

USE INSERT:
FFX4-XNMU-080620T



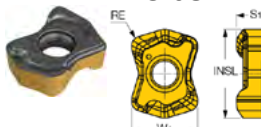
PART #	DCX ⁽¹⁾	DC	Z ⁽²⁾	APMX	AE ⁽³⁾	OAL	DHUB	DCONMS	RD ⁽⁴⁾	MDN ⁽⁵⁾	MDX ⁽⁶⁾	Rg ⁽⁷⁾
FFX4-FD2.00-4-0.75-08	2,000	1,386	4	.0787	.307	1,750	1,850	.750	3.2	3,386	3,961	.157
FFX4-FD2.50-5-1.00-08	2,500	1,886	5	.0787	.307	1,750	2,252	1,000	2.2	4,386	4,961	.157
FFX4-FD3.00-6-1.00-08	3,000	2,386	6	.0787	.307	2,000	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

SPARE PARTS

FOR CUTTERS	PART#: 1-000-			
	SCREW	SCREW 1	T-HANDLE	TORX BLADE
FFX4-FD2.00-4-0.75-08	SR-M5-14-IP20	SR-UNF-3/8X1-B18.3	SW6-T	BLD-IP20/S7
FFX4-FD2.50-5-1.00-08	SR-M5-14-IP20	SR-UNF-1/2X20X1-B18.3	SW6-T	BLD-IP20/S7
FFX4-FD3.00-6-1.00-08	SR-M5-14-IP20	SR-UNF-1/2X1 1/2-B18.3	SW6-T	BLD-IP20/S7
FFX4-FD4.00-8-1.50-08	SR-M5-14-IP20		SW6-T	BLD-IP20/S7
FFX4-FD5.00-10-1.50-08	SR-M5-14-IP20		SW6-T	BLD-IP20/S7

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



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

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

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

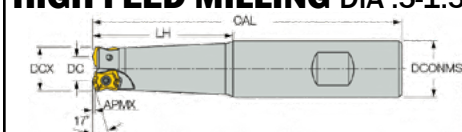
Tough ↔ Hard			Recommended Machining Data	
IC830	IC808	IC810	ap [inch]	fz [inch/t]
•	•	•	.008-.079	.0079-.0472

Material	Grade	vc [sfm]	fz [inch/tooth]	Coolant
Non-alloy steel	IC808	490-590	.0078-.0472	Dry
	IC830	490-590	.0078-.0472	Dry/Wet
	IC808	490-590	.0078-.0472	Dry/Wet
Low alloy steel	IC830	390-590	.0078-.0433	Dry/Wet
	IC808	430-580	.0078-.0314	Dry
High alloy steel	IC830	390-520	.0078-.0393	Dry/Wet
	IC808	390-560	.0078-.0314	Dry
Ferritic/martensitic stainless steel	IC830	490-720	.0157-.0472	Dry/Wet
	IC808	360-520	.0078-.0314	Dry
Grey cast iron	IC810	490-720	.0157-.0472	Dry
	IC810	390-650	.0157-.0472	Dry
Hardened steel	IC808	160-245	.0078-.0196	Dry

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

PART #	DCX	DC	APMX	Z(1)	LH	OAL	DCONMS	Shank(2)	Rd ⁽³⁾
FFX4-ED0.50-1-1.2W0.50-04	.500	.209	.031	1	1.200	3.250	.500	W	3.4
FFX4-ED0.62-2-1.5W0.62-04	.625	.334	.031	2	1.500	3.500	.625	W	4.3
FFX4-ED0.62-2-2.0W0.62-04	.625	.334	.031	2	2.000	4.250	.750	W	4.3
FFX4-ED0.75-3-2.0W0.75-04	.750	.459	.031	3	2.000	4.250	.750	W	2.9
FFX4-ED0.75-3-2.5W0.75-04	.750	.459	.031	3	2.500	5.000	.750	W	2.9
FFX4-ED1.00-4-2.0W1.00-04	1.000	.709	.031	4	2.000	4.500	1.000	W	1.8
FFX4-ED1.00-4-3.0W1.00-04	1.000	.709	.031	4	3.000	5.000	1.000	W	1.8
FFX4-ED1.25-5-2.5W1.00-04	1.250	.959	.031	5	2.500	5.000	1.000	W	1.2
FFX4-ED1.25-5-3.0W1.25-04	1.250	.959	.031	5	3.000	5.500	1.250	W	1.2

- Radius for programming .071" • SCREW: 1-000-SR-M2.5x6-T7-60 • TORX KEY: 1-000-T-7/S1
- (1) Number of inserts (2) W- Weldon (3) Maximum ramping angle

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 ⁽³⁾
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

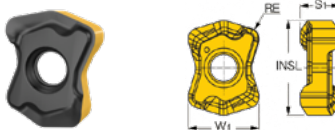
- Radius for programming .071" • SCREW: 1-000-SR-M2.5x6-T7-60 • TORX KEY: 1-000-T-7/S1
- (1) Number of inserts

LOGIQ4FEED

HIGH FEED MILLING

FFX4-XNMU

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	IC820	IC808		
FFX4-XNMU-040310HP	.366	.156	.0394	.282	•	•	•	•	•	.008-.031	.0079-.0354
FFX4-XNMU-040310T	.366	.156	.0394	.282	•	•	•	•	•	.008-.031	.0079-.0472

- HP- for austenitic stainless steel and high temperature alloys
- T- for steel, ferritic and martensitic stainless steel, cast iron and hardened steel



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

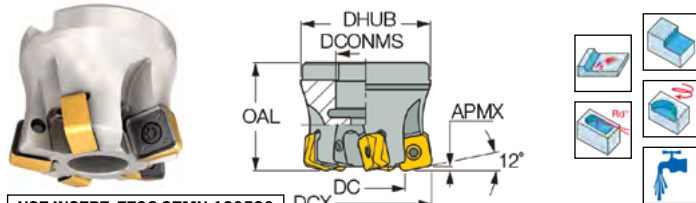
HIGH PRODUCTIVITY USING INSERTS WITH 8 CUTTING EDGES

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

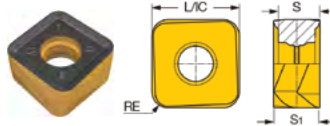


USE INSERT: FFQ8-SZMU-120520

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

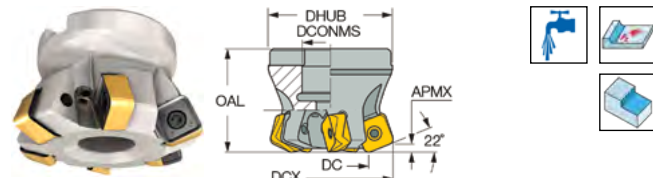
ISO class DIN/ISO 513	Description	Workpiece Material				Insert type	Carbide grade	Cutting speed Vc, [SFM]	Fast Feed cutters (FF)		Moderate Feed (MF)		Coolant		
		Iscar Mat. Group	Hardness, HB	Typical representative					D.O.C. Ap [inch]	Feed fz [ITP]	D.O.C. Ap [inch]	Feed fz [ITP]			
				AISI/SAE/ASTM	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**	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	IC808				393-557	.007-.055	.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)	IC810	492-721	.015-.059	.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			



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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Houston
(713) 682-1889

Bass Tool & Supply, Inc.
www.basstool.com



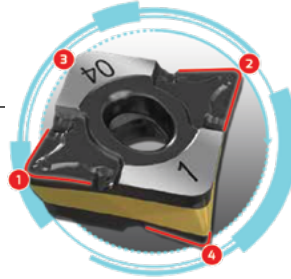
LOGIQ4TURN
POSITIVE DOUBLE SIDED

Innovations 2021



Purchase
30 CXMG 09... Assorted Inserts
Receive 50% Additional Discount
on the Corresponding External Holder

Use Promo 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.



Purchase
40 CXMG 09... Assorted Inserts
Receive Free
Corresponding External Holder

Use Promo Code: **T2157**

SPECIAL OFFERS



Purchase
30 CXMG 12... Assorted Inserts
Receive 50% Additional Discount
on the Corresponding External Holder

Use Promo Code: **T2158**



Purchase
40 CXMG 09... Assorted Inserts
Receive 50% Additional Discount
on the Corresponding External Holder

Code: **T2157**



Purchase
40 CXMG 12... Assorted Inserts
Receive Free
Corresponding External Holder

Use Promo Code: **T2158**

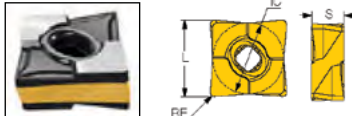
CNMX-09

CNMX-12



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

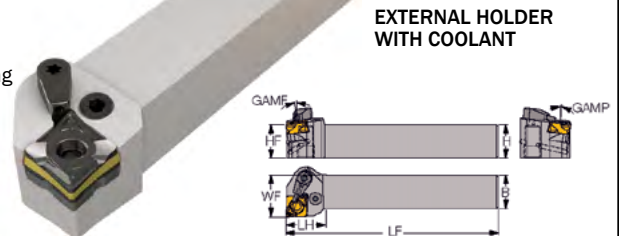
CARBIDE GRADE	APPLICATION
IC 8150	Finishing on alloyed steel
IC 8250	Medium cuts on alloyed steel
IC 8025	Stainless steel - medium cut
IC 806	Hi-temp alloys
IC 807	Stainless & hardened metals - interrupted cuts

ORDERING EXAMPLE:

CXMG-090408-M3P-IC8250

PCLXR/L-JHP

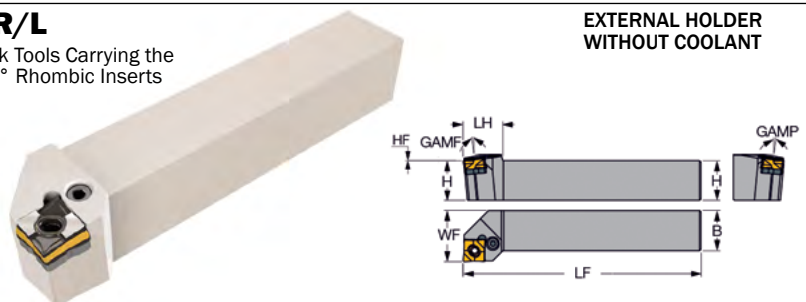
Lever Lock Tools with Channels for High Pressure Coolant Carrying the CXMG 80° Rhombic Inserts



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	CXMG 12..
PCLXR/L-12-4X-JHP	.750	.750	.750	4.500	1.000	1.000			
PCLXR/L-16-4X-JHP	1.000	1.000	1.000	6.000	1.000	1.250			

PCLXR/L

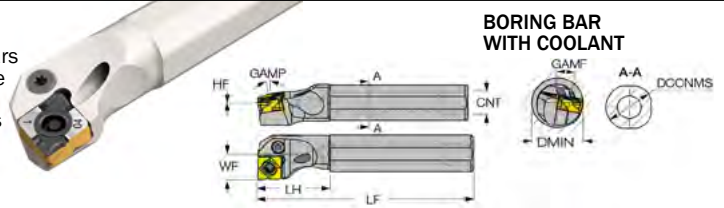
Lever Lock Tools Carrying the CXMG 80° Rhombic Inserts



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	CXMG 12..
PCLXR/L-12-4X	.750	.750	.750	4.500	1.000	1.000			
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



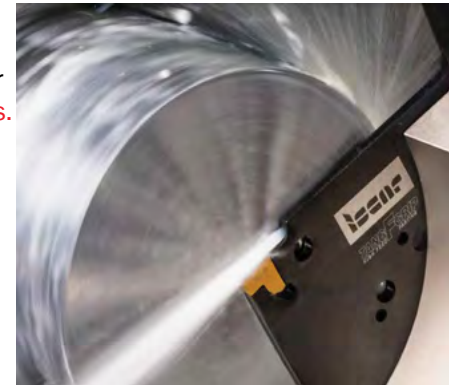
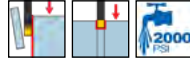
PART #	DCONMS	LF	LH	WF	HF	GAMP	GAMF	DMIN	CNT	INSERT
A-PCLXR/L-10-3X	.625	7.000	1.18	.433	.287	8.0	10.0	.750	UNC 3/8"-16	CXMG 09..
A-PCLXR/L-12-3X	.750	8.000	1.18	.512	.338	8.0	10.0	1.000	UNC 3/8"-16	
A-PCLXR/L-16-3X	1.000	10.000	1.57	.670	.460	6.0	8.0	1.250	UNC 1/2"-20	



Innovations 2021

High Feed Parting Tools

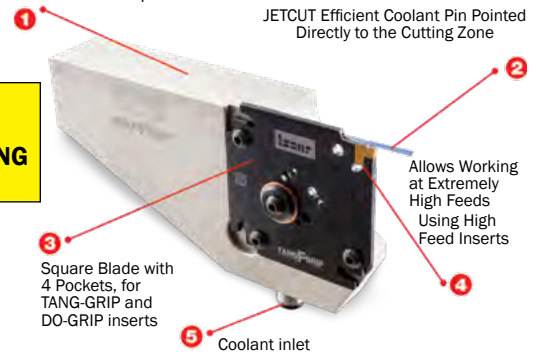
Revolutionary Quad Blade and Unique Holder
Enables Deeper Parting with High Feed Rates.
Guaranteed High Part Straightness,
and Improved Surface Finish



Parting with Extra Stability

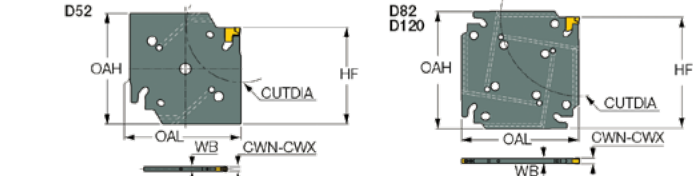
Reinforced and Robust Tool
Provides Extra Stability and Higher Productivity

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

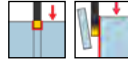
Purchase
30 TAG Inserts from Width .079"-.197"

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

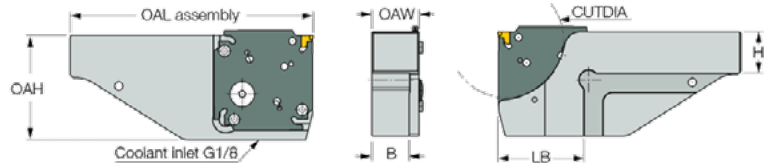
Free

* JHP Holders are not included

NOTE:
DGN INSERTS SHOWN
ON PAGE 8

TGTBQ-JHP TOOL-BLOCKS

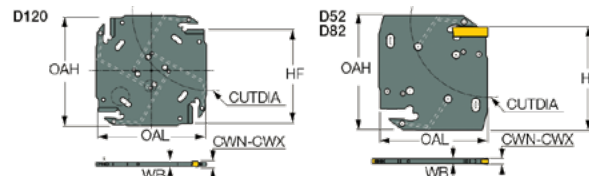
FOR BOTH TANG-F-GRIP
AND DO-F-GRIP BLADES



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



SOLID THREAD

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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Purchase
4 of the
Same Size

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



BASS TOOL & SUPPLY, INC.

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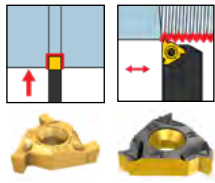
ISCARTHREAD LAYDOWN THREADING SYSTEMS



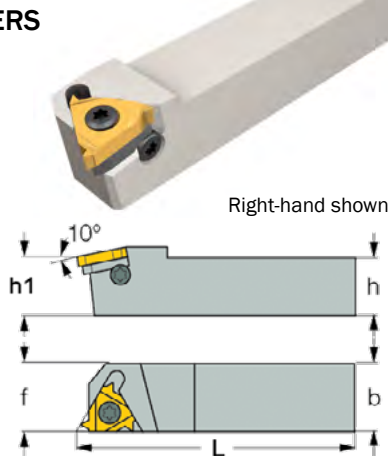
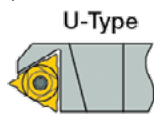
Save 59%

**On Any Quantity
of Laydown Threading Inserts
See Previous Page**

EXTERNAL TOOLHOLDERS

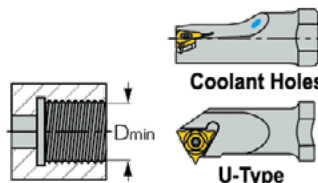
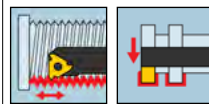


For threading use
inserts: 11, 16, 22, 27 ER/EL
For grooving use
inserts: GTMA, GTGA

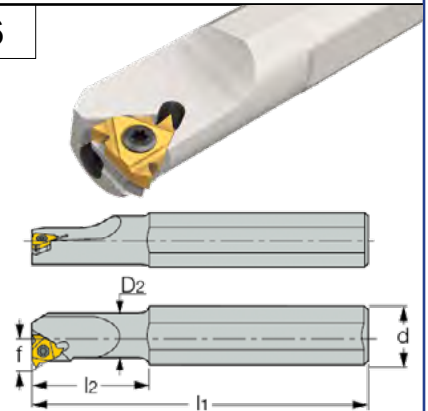


Right-hand shown

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					
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).