

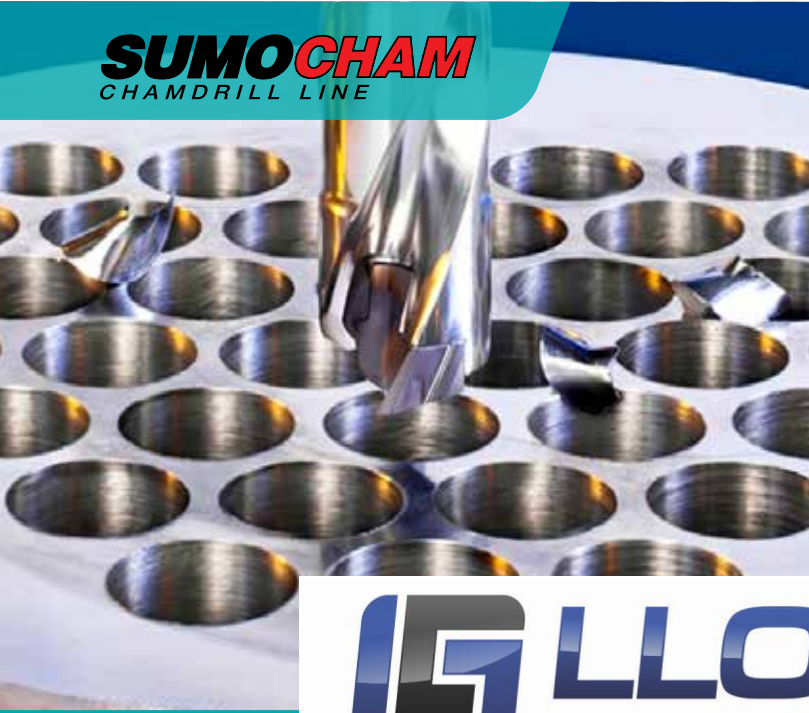
PROMOLOGIQ

ISCAR CHESS LINES

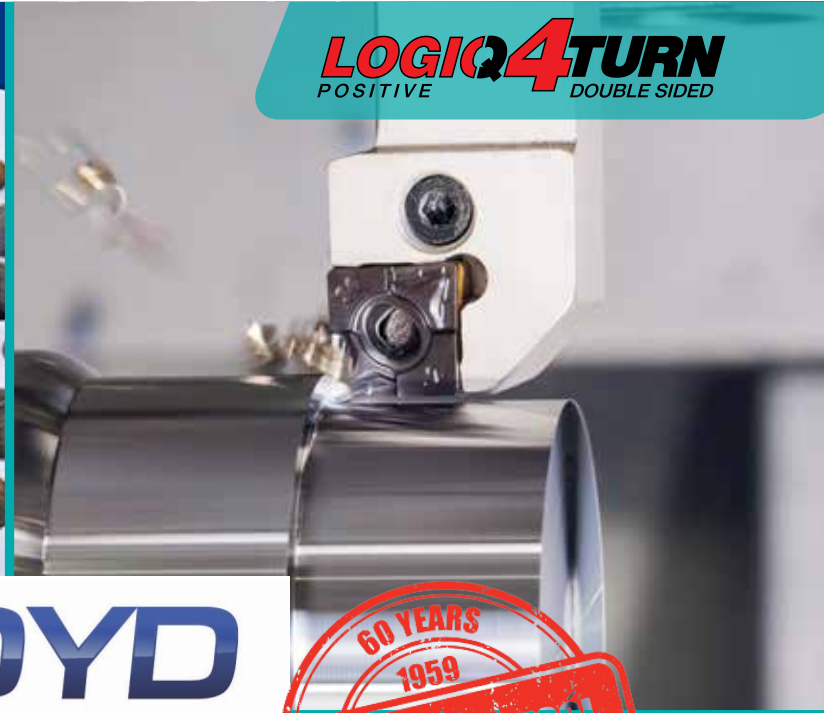
Valid until December 31, 2019

Imperial Version

SUMOCHAM
CHAMDRILL LINE



LOGIQ4TURN
POSITIVE DOUBLE SIDED



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LOGIQ4FEED
HIGH FEED MILLING



LOGIQ5GRIP
PARTING & GROOVING

MACHINING IN DUSTRY 4.0 INTELLIGENTLY

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



High Positive Rake



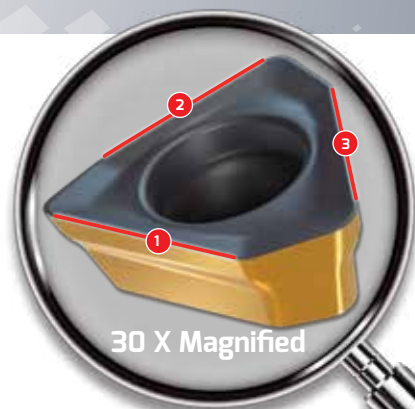
Large Diameter Core



Performs 90° Shoulder



Cost Effective Insert



30 X Magnified

**HM390 TPKT 05
Helical Cutting Edges**



Purchase

10 HM390 TPKT 05 Assorted Inserts
by pack size

**Receive 50%
Additional Discount**

on the Corresponding Endmill Cutter
(HM390 ETP...-05) up to 0.625"

Use Promo Code: LQ40



Purchase

30 HM390 TPKT 05 Assorted Inserts
by pack size

Receive

Corresponding Endmill Cutter
(HM390 ETP...-05) up to 0.625"

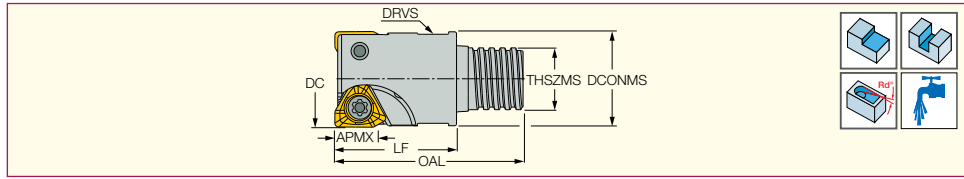
Free of Charge

Use Promo Code: LQ2



HELI3MILL
HM390 LINE
MULTI-MASTER

HM390 ETP-MM-05
90° Endmills with a MULTI-MASTER
Threaded Adaptation Carrying HM390
TPKT 0502... Triangular Inserts

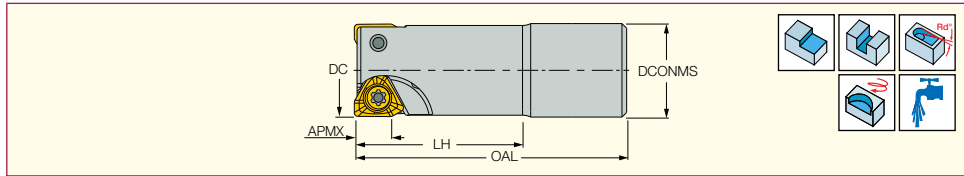


Designation	DC	APMX	CICT ⁽¹⁾	LF	DCONMS	THSZMS	OAL	DRVS ⁽²⁾	RMPX ⁽³⁾	WT ⁽⁴⁾
HM390 ETPD.50-03-MMT08-05	.500	.138	3	.650	.480	T08	.950	.310	1.5	.20
HM390 ETPD.62-04-MMT10-05	.620	.138	4	.740	.610	T10	1.200	.390	1.5	.00

- Tightening torque 4.42 lbf*in
- ⁽¹⁾ Number of inserts
- ⁽²⁾ Key flat size
- ⁽³⁾ Ramping angle maximum
- ⁽⁴⁾ Item weight

HELI3MILL
HM390 LINE

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

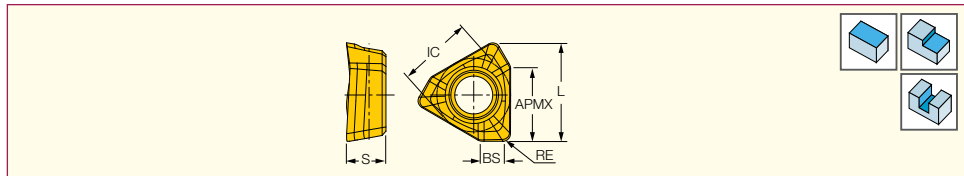


Designation	DC	APMX	CICT ⁽¹⁾	OAL	LH	DCONMS	Shank ⁽²⁾	RMPX ⁽³⁾	
HM390 ETPD.50-03-C.50-05C	.500	.138	3	3.500	.750	.500	C	1.5	.17
HM390 ETPD.62-04-C.62-05C	.625	.138	4	3.500	1.000	.625	C	1.5	.25

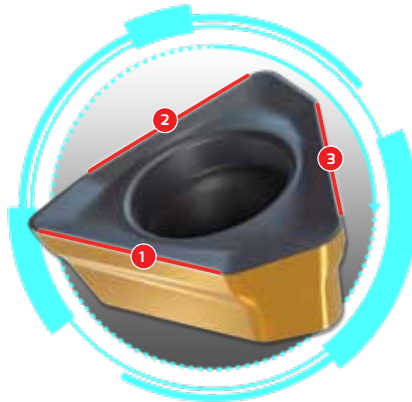
- Tightening torque 4.42 lbf*in
- ⁽¹⁾ Number of inserts
- ⁽²⁾ C-Cylindrical
- ⁽³⁾ Maximum ramping angle

HELI3MILL
HM390 LINE

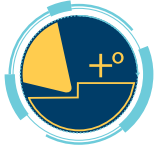
HM390 TPKT 0502
Triangular Inserts with 3 Helical Cutting
Edges for 90° Shoulder Accuracy



Designation	Dimensions						Tough ↔ Hard			Recommended Machining Data	
	L	IC	S	LE	RE	BS	IC830	IC808	IC810	a (inch)	f (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



Smallest Indexable Insert Combined with Small Diameter Multi-Toothed Endmill for 90° Shoulder Milling



Extra Positive Cutting Edge



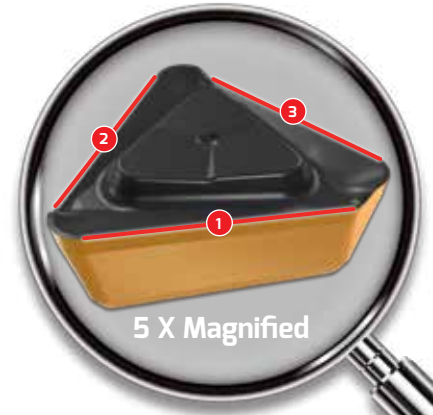
Very Strong and Durable Insert



New Generation Insert



Performs 90° Shoulder



Purchase

10 HM390 TPKR 04... Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding Endmill Cutter (HM390 ETP...-04) up to .375"

Use Promo Code: LQ3



Purchase

30 HM390 TPKR 04... Assorted Inserts by pack size

Receive

Corresponding Endmill Cutter (HM390 ETP...-04) up to .375"

Free of Charge

Use Promo Code: LQ4

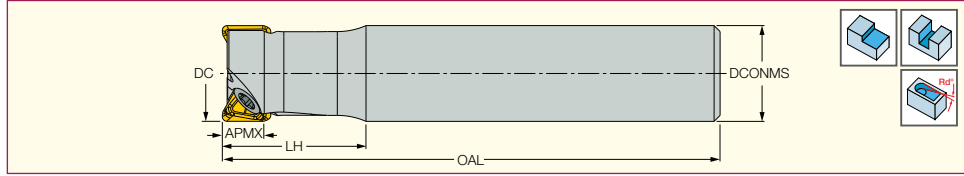


NANMILL

NANO ENDMILL

HM390 ETP-04

90° Small Diameter Endmills Carrying HM390 TPKR 0401 Triangular Inserts with 3 Helical Cutting Edges



Designation	DC	APMX	CICT ⁽¹⁾	OAL	LH	DCONMS	Shank ⁽²⁾	RMPX ⁽³⁾	WT ⁽⁴⁾
HM390 ETP D.31-2-C.31-04	.313	.012	2	2.500	.470	.313	C	3.0	.05
HM390 ETP D.38-3-C.38-04	.375	.012	3	3.000	.560	.375	C	2.6	.09

• Tightening torque 4 lbf*in

⁽¹⁾ Number of inserts

⁽²⁾ C-Cylindrical

⁽³⁾ Ramping angle maximum

⁽⁴⁾ Item weight

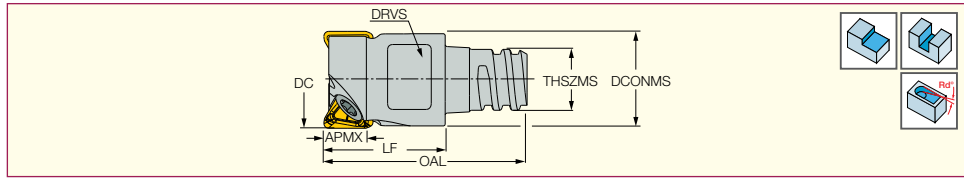
NANMILL

NANO ENDMILL

MULTI-MASTER

HM390 ETP-MM-04

90° Endmills with a MULTI-MASTER Threaded Adaptation Carrying HM390 TPKR 0401... Triangular Inserts



Designation	DC	APMX	CICT ⁽¹⁾	LF	DCONMS	THSZMS	OAL	DRVS ⁽²⁾	RMPX ⁽³⁾	WT ⁽⁴⁾
HM390 ETP D.31-2-MMT05-04	.310	.120	2	.380	.300	T05	.850	.190	3.0	.00
HM390 ETP D.38-3-MMT06-04	.380	.120	3	.500	.360	T06	.740	.230	2.5	.00

• Tightening torque 4 lbf*in

⁽¹⁾ Number of inserts

⁽²⁾ Key flat size

⁽³⁾ Ramping angle maximum

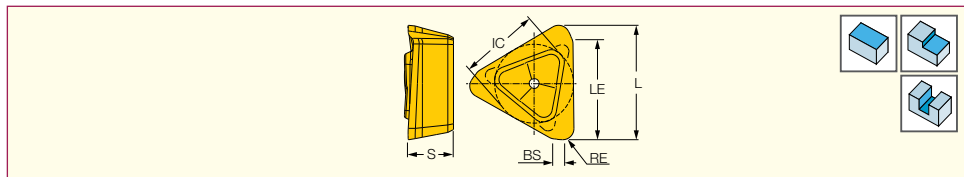
⁽⁴⁾ Item weight

NANMILL

NANO ENDMILL

HM390 TPKR 0401

Triangular Miniature Inserts with 3 Helical Cutting Edges for 90° Shoulders



Designation	Dimensions						IC880	Recommended Machining Data	
	L	IC	S	LE	RE	BS		a (inch)	f (inch/t)
HM390 TPKR 0401-PCTR	.157	.110	.063	.118	.0157	.016	•	.020-.118	.0016-.0039



Twisted Shape Insert for High Feed Milling Guarantees Higher Productivity



High Feed Milling



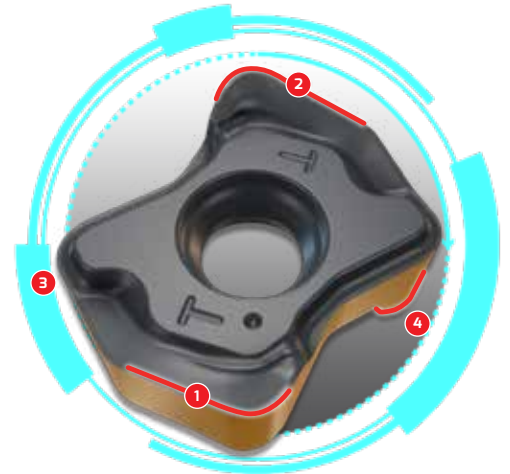
Large Body Core Ensures Stability and Rigidity



High Positive Rake Angle



Double Sided Insert



Unique Insert Shape



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: **LQ9**



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: **LQ10**





Purchase

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

Receive

Corresponding Endmill Cutter
(FFX4 ED...-04) up to 1.378"

Free of Charge

Use Promo Code: **LQ11**



Purchase

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

Receive

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

Free of Charge

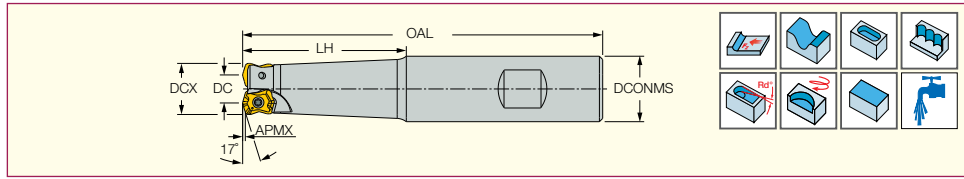
Use Promo Code: **LQ12**



LOGIQ4FEED

FFX4 ED

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



Designation	DCX	DC	APMX	CICT ⁽¹⁾	LH	OAL	DCONMS	Shank ⁽²⁾	RMPX ⁽³⁾	WT ⁽⁴⁾
FFX4 ED0.50-1-1.2W0.50-04	.500	.209	.032	1	1.200	3.250	.500	W	3.4	.15
FFX4 ED0.62-2-1.5W0.62-04	.625	.334	.032	2	1.500	3.500	.625	W	4.3	.25
FFX4 ED0.62-2-2.0W0.75-04	.625	.334	.032	2	2.000	4.250	.750	W	4.3	.39
FFX4 ED0.75-3-2.0W0.75-04	.750	.459	.032	3	2.000	4.250	.750	W	2.9	.44
FFX4 ED0.75-3-2.5W0.75-04	.750	.459	.032	3	2.500	5.000	.750	W	2.9	.50
FFX4 ED1.00-4-2.0W1.00-04	1.000	.709	.032	4	2.000	4.500	1.000	W	1.8	.02
FFX4 ED1.00-4-3.0W1.00-04	1.000	.709	.032	4	3.000	5.000	1.000	W	1.8	1.03
FFX4 ED1.25-5-2.5W1.00-04	1.250	.959	.032	5	2.500	5.000	1.000	W	1.2	1.21
FFX4 ED1.25-5-3.0W1.25-04	1.250	.959	.032	5	3.000	5.500	1.250	W	1.2	1.50

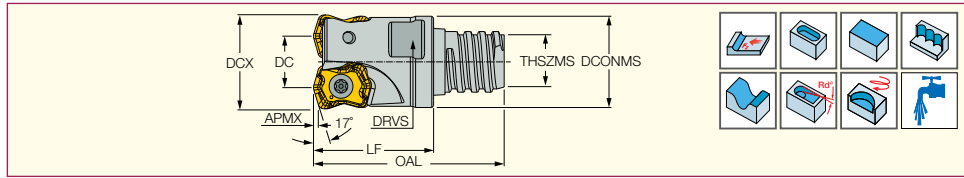
- Radius for programming .071"
- ⁽¹⁾ Number of inserts
- ⁽²⁾ W - Weldon
- ⁽³⁾ Ramping angle maximum
- ⁽⁴⁾ Item weight

LOGIQ4FEED

MULTI-MASTER

FFX4 ED-MM

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



Designation	DCX	DC	CICT ⁽¹⁾	APMX	THSZMS	LF	OAL	RMPX ⁽³⁾	DCONMS	DRVS ⁽⁴⁾	WT ⁽⁴⁾
FFX4 ED16/.63-2-MMT10-04	.630	.339	2	.031	T10	.787	1.250	4.3	.598	.512	.05

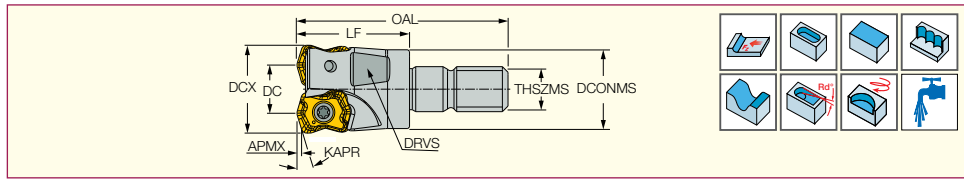
- Radius for programming .071"
- ⁽¹⁾ Number of inserts
- ⁽³⁾ Ramping angle maximum
- ⁽⁴⁾ Key flat size
- ⁽⁴⁾ Item weight

LOGIQ4FEED

FLEXFIT

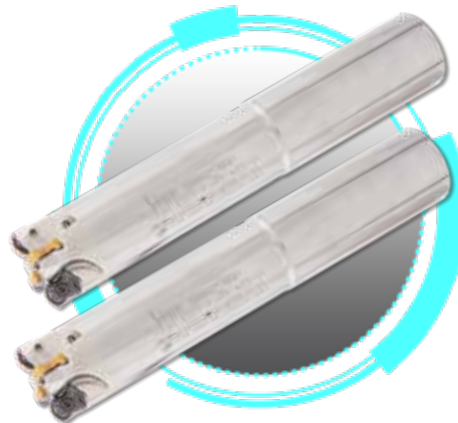
FFX4 ED-M

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



Designation	DCX	DC	CICT ⁽¹⁾	APMX	THSZMS	LF	OAL	RMPX ⁽³⁾	DCONMS	DRVS ⁽⁴⁾	WT ⁽⁴⁾
FFX4 ED20/.78-3-M10-04	.787	.496	3	.031	M10	.984	1.772	2.7	.709	.669	.09
FFX4 ED25/.98-4-M12-04	.984	.693	4	.031	M12	1.181	2.047	1.8	.827	.748	.18
FFX4 ED32/1.26-5-M16-04	1.260	.969	5	.031	M16	1.378	2.362	1.2	1.142	1.063	.40
FFX4 ED35/1.38-5-M16-04	1.378	1.087	5	.031	M16	1.378	2.362	1.1	1.142	1.063	.44

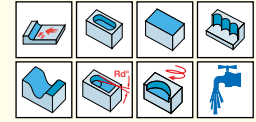
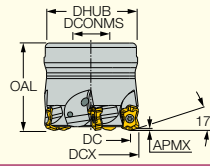
- Radius for programming .071"
- ⁽¹⁾ Number of inserts
- ⁽³⁾ Ramping angle maximum
- ⁽⁴⁾ Key flat size
- ⁽⁴⁾ Item weight



LOGIQ4FEED

FFX4 FD

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



Designation	DCX ¹⁾	DC	CICT ²⁾	APMX	AE ³⁾	KAPR	OAL	DHUB	DCONMS	RMPX ⁴⁾	lbs	MIID ⁵⁾	TQ ⁶⁾
FFX4 FD1.50-6-.50-04	1.500	1.209	6	.031	.145	17.0	1.500	1.417	.500	1.0	.51	FFX4 XNMU 040310T	8.00
FFX4 FD2.00-7-.75-04	2.000	1.709	7	.031	.145	17.0	1.500	1.850	.750	.6	.86	FFX4 XNMU 040310T	8.00

• Radius for programming .071" • 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

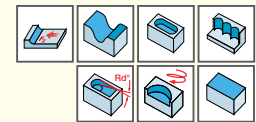
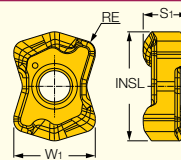
⁵⁾ Master insert identification

⁶⁾ Recommended tightening torque (lb*in) for insert screw

LOGIQ4FEED

FFX4 XNMU

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



Designation	Dimensions				Tough ↔ Hard						Recommended Machining Data	
	INSL	S	RE	W	IC882	IC840	IC830	IC5820	IC808	IC810	a (inch)	f (inch/t)
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



**Unique Tangential Insert
for High Feed Face Milling**



Tangential Insert



For Steel, Cast Iron and Exotic Materials



Strong Cutting Edge



Up to 3.1° Ramp Down Angle



Use Promo Code: **LQ28**

Purchase

30 FF VNMT 07... Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding Face Mill Cutter (FFV D...-VN07) up to 4"



Use Promo Code: **LQ29**

Purchase

60 FF VNMT 07... Assorted Inserts by pack size

Receive

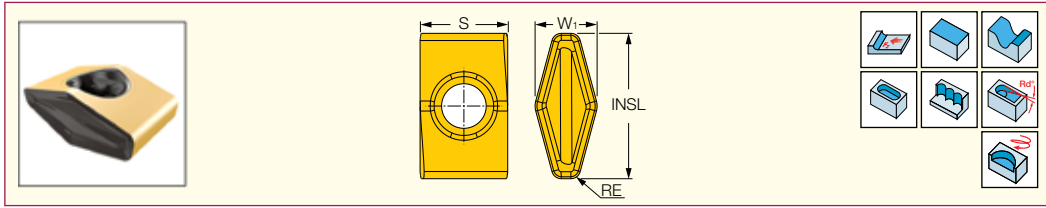
Corresponding Face Mill Cutter (FFV D...-VN07) up to 4"

Free of Charge



FF VNMT 0706

Tangentially Clamped Inserts with 4 Cutting Edges for Fast Feed Milling



Designation	Dimensions				Tough ↔ Hard								Recommended Machining Data		
	W	INSL	RE	S	IC882	IC845	IC840	IC830	IC5820	IC5400	IC5500	IC808	IC810	a (inch)	f (inch/t)
FF VNMT 0706ZN-ER ⁽¹⁾	.252	.591	.0394	.356	•	•	•	•	•	•	•	•	•	.020-.059	.0157-.0709
FF VNMT 0706ZN-ETR ⁽²⁾	.252	.591	.0394	.356				•			•	•	•	.020-.059	.0157-.0709

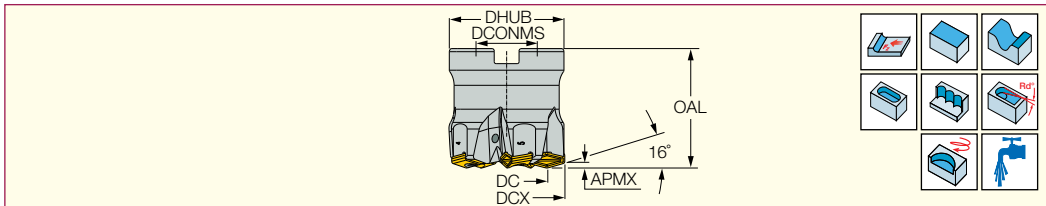
• For side plunging, the initial cutting feed is .004 inch/t

⁽¹⁾ For general applications

⁽²⁾ Reinforced cutting edges for interrupted cut and unfavorable conditions

FFV-D-R-VN07

Fast Feed Shell Mill Carrying Tangentially Clamped Inserts with 4 Cutting Edges







Designation	DCX	DC	AE	APMX	CICT ⁽¹⁾	OAL	DCONMS	DHUB	RMPX ⁽²⁾	Arbor	Lbs
FFV D2.0-05-.75-R-VN07	2.000	1.417	.295	.059	5	2.000	.750	1.850	3.1	A	1.01
FFV D2.5-06-1.0-R-VN07	2.500	1.890	.295	.059	6	1.750	1.000	2.252	2.2	A	1.35
FFV D3.0-07-1.0-R-VN07	3.000	2.402	.295	.059	7	2.000	1.000	2.252	1.5	B	1.63
FFV D4.0-08-1.5-R-VN07	4.000	3.386	.295	.059	8	2.000	1.500	3.228	1.2	B	3.43

• Radius for programming .110" • To generate a straight surface without cusps, the width of cut must not exceed DC

⁽¹⁾ Number of inserts

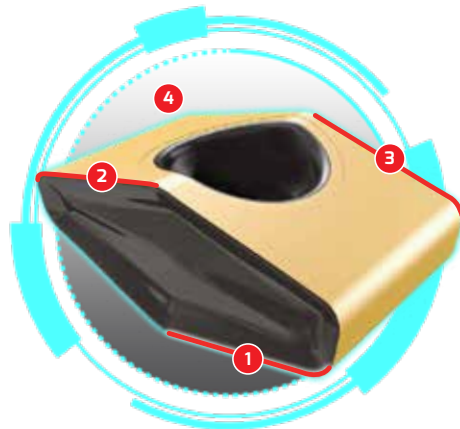
⁽²⁾ Maximum ramping angle

Spare Parts

Designation				
FFV D2.0-05-.75-R-VN07	SR M4X0.7-L11.5 IP15(a)	BLD IP15/S7(b)	SW6-T-SH	SR UNF 3/8X1 B18.3
FFV D2.5-06-1.0-R-VN07	SR M4X0.7-L11.5 IP15(a)	BLD IP15/S7(b)	SW6-T-SH	SR UNF 1/2X20X1 B18.3
FFV D3.0-07-1.0-R-VN07	SR M4X0.7-L11.5 IP15(a)	BLD IP15/S7(b)	SW6-T-SH	
FFV D4.0-08-1.5-R-VN07	SR M4X0.7-L11.5 IP15(a)	BLD IP15/S7(b)	SW6-T-SH	

^(a) Recommended tightening torque: 46.0 lbf*in

^(b) For limiting torque, use optional BLD 4 IP15-4.8NM blade & HSD 4-4.8NM handle



Smallest Indexable Insert Combined with Small Diameter Multi-Toothed Endmill for High Feed and Productivity



High Feed Milling



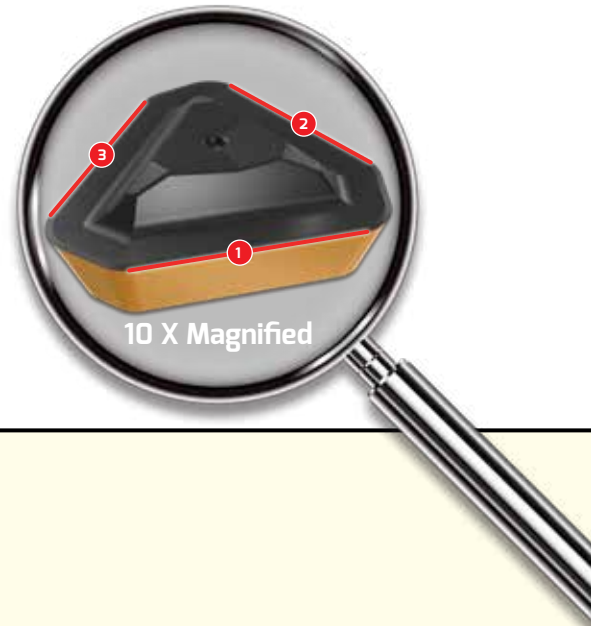
Very Strong and Durable Insert



High Ramp Down Angle



Easy Chip Evacuation



Use Promo Code: **LQ13**

Purchase

10 FFT3 TXMT 02... Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding Endmill Cutter (FFT3 EFM...-02) up to 0.375"



Use Promo Code: **LQ14**

Purchase

30 FFT3 TXMT 02... Assorted Inserts by pack size

Receive

Corresponding Endmill Cutter (FFT3 EFM...-02) up to 0.375"

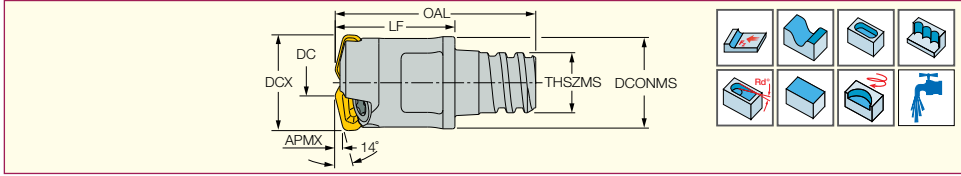
Free of Charge





FFT3 EFM-MM 02

Small Diameter Endmills with a MULTI-MASTER Threaded Adaptation Carrying Triangular Inserts for Fast Feed Milling



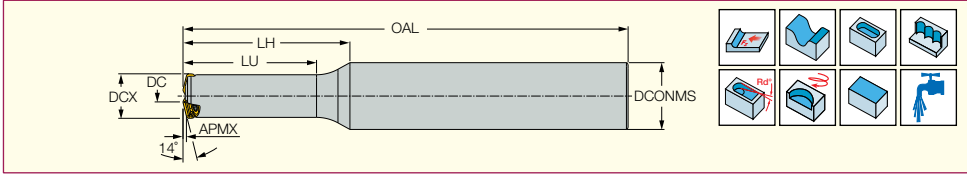
Designation	DCX	DC	APMX	CICT ¹⁾	LF	DCONMS	THSZMS	OAL	DRVS ²⁾	RMPX ³⁾	WT ⁴⁾
FFT3 EFMD08/.31-2MMT05-02	.315	.087	.024	2	.394	.299	T05	.659	.217	10.8	.02
FFT3 EFMD10/.39-3MMT06-02	.394	.165	.024	3	.394	.382	T06	.642	.315	4.7	.02

• Radius for programming .043 inch ¹⁾ Number of inserts ²⁾ Key flat size ³⁾ Ramping angle maximum ⁴⁾ Item weight



FFT3 EFM-02

Small Diameter Endmills Carrying Single-Sided Triangular Inserts for Fast Feed Milling



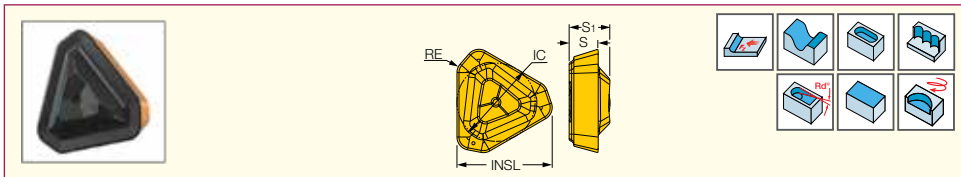
Designation	DCX ¹⁾	DC	APMX	AE ²⁾	CICT ³⁾	LU	LH	OAL	DCONMS	Shank ⁴⁾	RMPX ⁵⁾	Lbs	MIID ⁶⁾	TQ ⁷⁾
FFT3 EFM D08-2-060-C10-02	.315	.087	.024	.114	2	.67	.787	2.362	.394	C	10.8	.07	FFT3 TXMT 0201205T	4.50
FFT3 EFM D08-2-080-C12-02	.315	.087	.024	.114	2	1.02	1.181	3.150	.472	C	10.8	.11	FFT3 TXMT 0201205T	4.50
FFT3 EFM D10-3-070-C10-02	.394	.165	.024	.114	3	.77	.787	2.756	.394	C	4.7	.09	FFT3 TXMT 0201205T	4.50
FFT3 EFM D10-3-090-C12-02	.394	.165	.024	.114	3	1.18	1.299	3.543	.472	C	4.7	.13	FFT3 TXMT 0201205T	4.50

• Radius for programming .0433 inch • To generate a straight surface without cusps, the width of cut must not exceed DC
¹⁾ Cutting diameter maximum ²⁾ Maximum plunging width ³⁾ Number of inserts ⁴⁾ C-Cylindrical ⁵⁾ Maximum ramping angle ⁶⁾ Master insert identification
⁷⁾ Recommended tightening torque (lbf*in) for insert screw

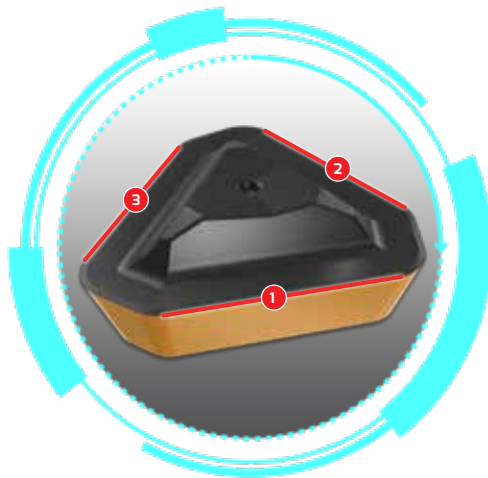


FFT3 TXMT 02

Triangular Miniature Inserts for Fast Feed Machining at Small Depth of Cut



Designation	Dimensions					IC830	Recommended Machining Data	
	INSL	IC	RE	S	S		a (inch)	f (inch/t)
FFT3 TXMT 020105T	.144	.079	.0197	.043	.061	•	.008-.024	.0079-.0276



Small Diameter Multi-Toothed Endmill for High Feed and Productivity



High Feed
Milling



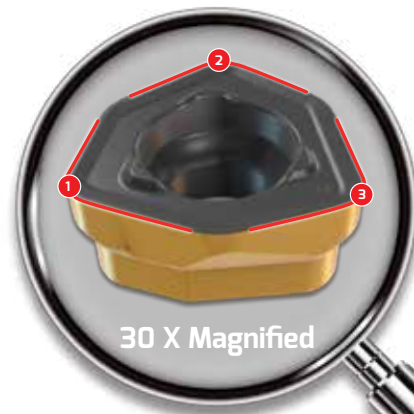
High Positive
Rake Angle



High
Productivity



Through-Tool
Coolant



30 X Magnified



1 Purchase

10 FFT3 WXMT 03... Assorted Inserts
by pack size

**Receive 50%
Additional Discount**

on the Corresponding Endmill Cutter
(FFT3 EFM...-03) up to .625"

Use Promo Code: **LQ15**



2 Purchase

30 FFT3 WXMT 03... Assorted Inserts
by pack size

Receive

Corresponding Endmill Cutter
(FFT3 EFM...-03) up to .625"

Free of Charge

Use Promo Code: **LQ16**

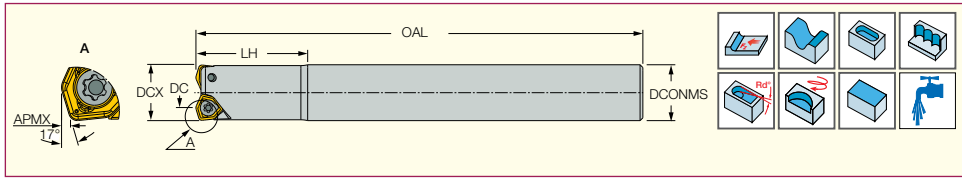


MICRO3FEED

MF 300 ENDMILL

FFT3 EFM-03

Endmills Carrying Single-Sided Small Trigon Inserts for Fast Feed Milling



Designation	DCX	DC	APMX	CICT ⁽¹⁾	LH	OAL	DCONMS	Shank ⁽²⁾	RMPX ⁽³⁾	WT
FFT3 EFMD.38-2-4.0C.38-03	.375	.200	.024	2	.750	4.000	.375	C	7.5	.08
FFT3 EFMD.50-3-5.0C.50-03	.500	.323	.024	3	1.000	5.000	.500	C	4.0	.24
FFT3 EFMD.62-4-5.5C.62-03	.625	.450	.024	4	1.250	5.500	.625	C	2.5	.40

⁽¹⁾ Radius for programming .043"

⁽²⁾ Number of inserts

⁽³⁾ W - Weldon

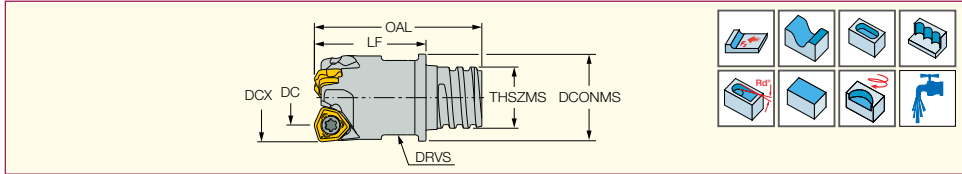
⁽⁴⁾ Ramping angle maximum

MICRO3FEED

MF 300 ENDMILL

FFT3 EFM-MM 03

Endmills with a MULTI-MASTER Threaded Adaptation Carrying Single-Sided Small Trigon Inserts for Fast Feed Milling



Designation	DCX	DC	APMX	CICT ⁽¹⁾	LF	DCONMS	THSZMS	OAL	DRVS ⁽²⁾	RMPX ⁽³⁾	WT ⁽⁴⁾
FFT3 EFMD10/.39-2MMT06-03	.394	.220	.024	2	.394	.382	T06	.642	.315	6.9	.04
FFT3 EFMD12/.47-3MMT08-03	.472	.299	.024	3	.591	.461	T08	.886	.394	4.7	.07
FFT3 EFMD16/.63-4MMT10-03	.630	.457	.024	4	.787	.602	T10	1.232	.512	2.9	.11

⁽¹⁾ Radius for programming .043"

⁽²⁾ Number of inserts

⁽³⁾ Key flat size

⁽⁴⁾ Ramping angle maximum

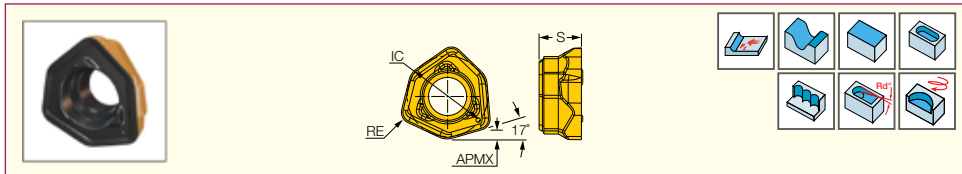
⁽⁵⁾ Item weight

MICRO3FEED

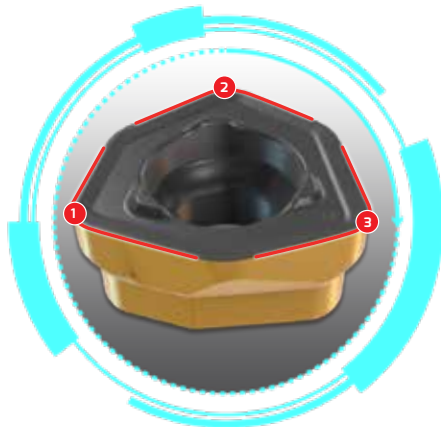
MF 300 ENDMILL

FFT3 WXMT 03

Single-Sided Small Trigon Inserts for Fast Feed Milling



Designation	Dimensions				Tough ↔ Hard		Recommended Machining Data	
	IC	S	RE	APMX	IC830	IC808	a (inch)	f (inch/t)
FFT3 WXMT 030206T	.165	.087	.0236	.024	●	●	.008-.024	.0079-.0315



Radial Profile Insert
for Die & Mold and
General Applications



High Positive
Rake Angle



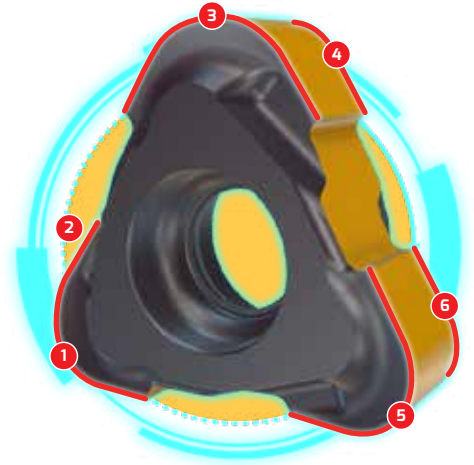
Innovative Insert
Design



Variety of
Cutting Geometries



Cost Effective
Insert



Use Promo Code: **LQ30**

Purchase

20 TR6 TNCU 07 or TR90 TXMT 07 or
TRFF TXMT 07 Assorted Inserts by pack size

**Receive 50%
Additional Discount**

on the Corresponding Endmill Cutter
(TR6 ER...-07) up to 1.25"



Use Promo Code: **LQ31**

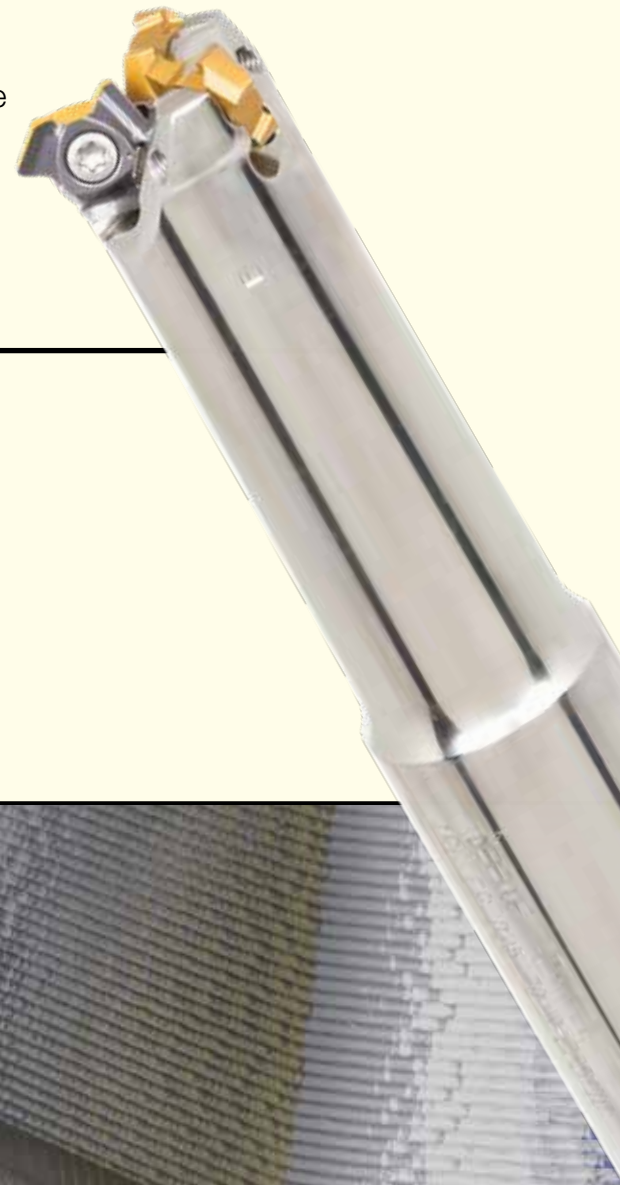
Purchase

40 TR6 TNCU 07 or TR90 TXMT 07 or
TRFF TXMT 07 Assorted Inserts by pack size

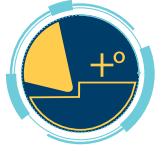
Receive

Corresponding Endmill Cutter
(TR6 ER...-07) up to 1.25"

Free of Charge



Radial Profile Insert
for Die & Mold and
General Applications



High Positive Rake Angle



Innovative Insert Design



Variety of Cutting Geometries



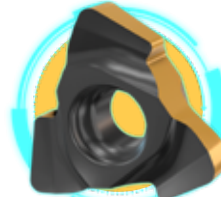
Cost Effective Insert



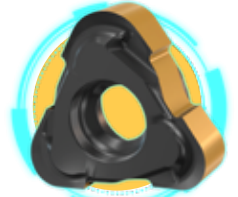
TR45



TR90



TRFF



TR6



Use Promo Code: **LQ32**

Purchase

20 TR6 TNCU 10 or TR90 TXMT 10 or TR45 TXMT 10 or TRFF TXMT 10 Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding Endmill Cutter (TR6 ER...-10) up to 1.25"



Use Promo Code: **LQ33**

Purchase

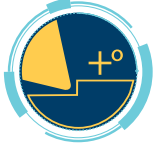
30 TR6 TNCU 10 or TR90 TXMT 10 or TR45 TXMT 10 or TRFF TXMT 10 Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding Face Mill Cutter (TR6 FR...-10) up to 3.00"



Radial Profile Insert
for Die & Mold and
General Applications



High Positive Rake Angle



Innovative Insert Design



Variety of Cutting Geometries



Cost Effective Insert



Use Promo Code: **LQ34**

Purchase

40 TR6 TNCU 10 or TR90 TXMT 10 or TR45 TXMT 10 or TRFF TXMT 10 Assorted Inserts by pack size

Receive

Corresponding Endmill Cutter (TR6 ER...-10) up to 1.25"

Free of Charge



Use Promo Code: **LQ35**

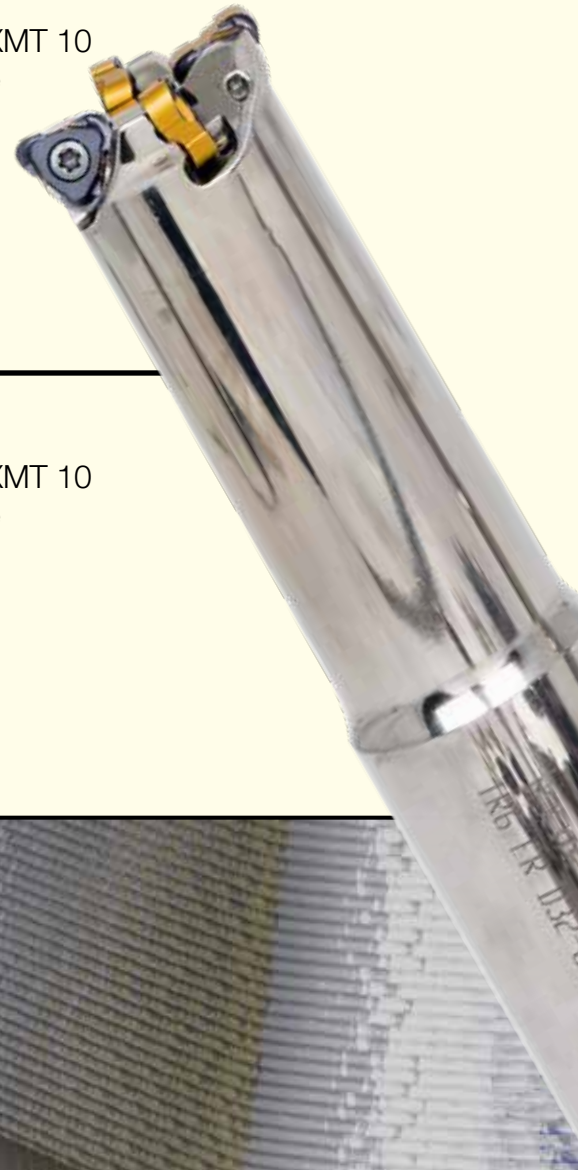
Purchase

60 TR6 TNCU 10 or TR90 TXMT 10 or TR45 TXMT 10 or TRFF TXMT 10 Assorted Inserts by pack size

Receive

Corresponding Face Mill Cutter (TR6 FR...-10) up to 3"

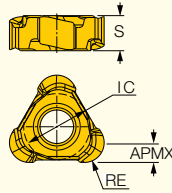
Free of Charge





TR6 TNCU/MU

Double Sided Inserts with Six Round Cutting Edges, Available in .0197 Up to .059" Corner Radii

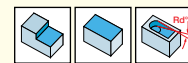
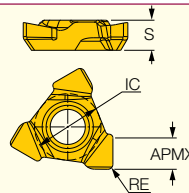


Designation	Dimensions				Tough ↔ Hard				Recommended Machining Data	
	RE	APMX	IC	S	IC882	IC830	IC808	IC908	a (inch)	f (inch/t)
TR6 TNCU 070205	.0197	.020	.209	.110		●	●		.008-.020	.0039-.0118
TR6 TNCU 070210	.0394	.039	.209	.110		●	●		.008-.039	.0039-.0118
TR6 TNMU 070215	.0590	.059	.209	.110		●	●		.008-.059	.0039-.0118
TR6 TNCU 100405	.0197	.020	.287	.165	●	●	●		.008-.020	.0039-.0118
TR6 TNCU 100410	.0394	.039	.287	.165	●	●	●		.008-.039	.0039-.0118
TR6 TNCU 100415	.0590	.059	.287	.165	●	●	●		.008-.059	.0039-.0118
TR6 TNMU 100415	.0590	.059	.287	.165	●	●			.008-.059	.0039-.0118
TR6 TNCU 100420	.0787	.079	.287	.165	●	●	●		.008-.079	.0039-.0118
TR6 TNCU 100425	.0984	.098	.287	.165	●	●	●	●	.008-.098	.0039-.0118
TR6 TNCU 100430	.1181	.118	.287	.165	●	●	●		.008-.118	.0039-.0118



TR90 TXMT

Single Sided Insert with Three Cutting Edges for 90° Shoulder and Face Milling

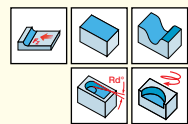
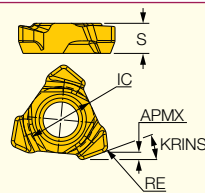


Designation	Dimensions				Tough ↔ Hard		Recommended Machining Data	
	APMX	RE	IC	S	IC830	IC808	a (inch)	f (inch/t)
TR90 TXMT 070204	.098	.0157	.209	.094	●	●	.020-.098	.0039-.0079
TR90 TXMT 100408	.157	.0315	.287	.154	●	●	.035-.157	.0039-.0079



TRFF TXMT

Single Sided Insert with Three Cutting Edges for High Feed Machining



Designation	Dimensions					Tough ↔ Hard		Recommended Machining Data		
	APMX	RE	Rg ^{a)}	IC	S	KRINS ^{a)}	IC830	IC808	a (inch)	f (inch/t)
TRFF TXMT 0702	.024	.0197	.039	.209	.094	18.0	●	●	.008-.024	.0197-.0315
TRFF TXMT 1004	.031	.0276	.055	.287	.154	17.0	●	●	.008-.031	.0276-.0472

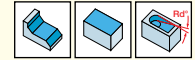
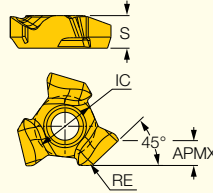
^{a)} Radius for programming

^{a)} Edge angle related to the wiper



TR45 TXMT

Single Sided Inserts with Three Cutting Edges for 45° Chamfering and Face Milling

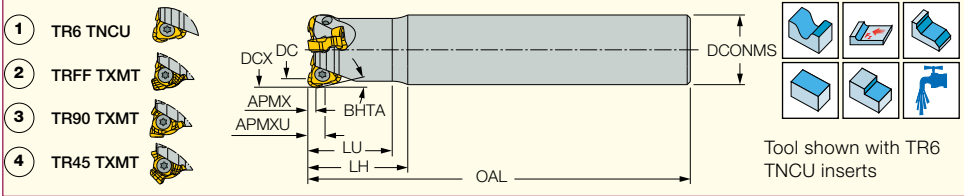


Designation	Dimensions				Tough ↔ Hard		Recommended Machining Data	
	APMX	RE	IC	S	IC880	IC808	a (inch)	f (inch/t)
TR45 TXMT 1004	.118	.0157	.287	.154	•	•	.039-.118	.0079-.0157



TR6 ER

Multifunction Endmills that can Carry Four Different Insert Geometries



Designation	DCX	DCX_2	DCX_3	DCX_4	DC	DC_2	DC_4	APMX	APMX_2	APMX_3	APMX_4	APMXU	BHTA
TR6 ERD0.62-2-2.0W0.62-07	.625	.625	.625	-	.546	.466	-	.039	.024	.098	-	.079	21.00
TR6 ERD0.75-4-2.5W0.75-07	.750	.750	.750	-	.671	.596	-	.039	.024	.098	-	.079	21.00
TR6 ERD1.00-5-3.0W1.00-07	1.000	1.000	1.000	-	.921	.846	-	.039	.024	.098	-	.079	21.00
TR6 ERD1.25-6-4.0W1.25-07	1.250	1.250	1.250	-	1.171	1.096	-	.039	.024	.098	-	.079	21.00
TR6 ERD1.00-3-3.0W1.00-10	1.000	1.000	1.000	1.070	.803	.763	.826	.098	.031	.157	.118	.165	20.50
TR6 ERD1.25-4-3.5W1.25-10	1.250	1.250	1.250	1.320	1.053	.763	.826	.098	.031	.157	.118	.165	20.50

Designation	CICT ⁽¹⁾	LU	LU_2	LU_3	LU_4	LH	LH_2	LH_3	LH_4	OAL	OAL_2	OAL_3	OAL_4	DCONMS
TR6 ERD0.62-2-2.0W0.62-07	2	1.86	1.87	1.87	-	1.860	1.87	1.87	-	3.910	3.917	3.921	-	.625
TR6 ERD0.75-4-2.5W0.75-07	4	2.36	2.37	2.37	-	2.360	2.37	2.37	-	4.530	4.538	4.542	-	.750
TR6 ERD1.00-5-3.0W1.00-07	5	2.83	2.84	2.84	-	2.830	2.84	2.84	-	5.280	5.288	5.292	-	1.000
TR6 ERD1.25-6-4.0W1.25-07	6	3.83	3.84	3.84	-	3.830	3.84	3.84	-	6.280	6.288	6.292	-	1.250
TR6 ERD1.00-3-3.0W1.00-10	3	2.80	2.81	2.80	2.80	3.000	3.01	3.00	3.00	5.280	5.285	5.276	5.284	1.000
TR6 ERD1.25-4-3.5W1.25-10	4	3.30	3.31	3.30	3.30	3.500	3.51	3.50	3.50	5.780	5.785	5.776	5.784	1.250

Designation	Insert	MID ⁽²⁾	MID_2 ⁽³⁾	MID_3 ⁽⁴⁾	MID_4 ⁽⁵⁾	Lbs
TR6 ERD0.62-2-2.0W0.62-07	TR6 TNCU 070210	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.26
TR6 ERD0.75-4-2.5W0.75-07	TR6 TNCU 070210	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.41
TR6 ERD1.00-5-3.0W1.00-07	TR6 TNCU 070210	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.17
TR6 ERD1.25-6-4.0W1.25-07	TR6 TNCU 070210	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	1.68
TR6 ERD1.00-3-3.0W1.00-10	TR6 TNCU 100425	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.88
TR6 ERD1.25-4-3.5W1.25-10	TR6 TNCU 100425	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	1.54

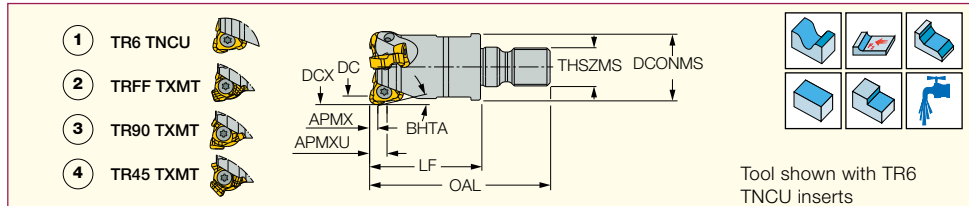
• Note: The data refers to master inserts, for other insert radii and geometries refer to the table below

- ⁽¹⁾ Number of inserts
- ⁽²⁾ Master insert identification
- ⁽³⁾ Master insert identification 2
- ⁽⁴⁾ Master insert identification 3
- ⁽⁵⁾ Master insert identification 4



TR6 ER-M

Multifunction Endmills with FLEXFIT Threaded Adaptation that can Carry Four Different Insert Geometries



Designation	DCX	DCX_2	DCX_3	DCX_4	DC	DC_2	DC_4	APMX	APMX_2	APMX_3	APMX_4	APMXU	BHTA
TR6 ER D16/0.63-2-M08-07	.630	.630	.630	-	.551	.476	-	.039	.024	.098	-	.079	21.00
TR6 ER D20/0.79-4-M10-07	.787	.787	.787	-	.709	.634	-	.039	.024	.098	-	.079	21.00
TR6 ER D25/0.98-5-M12-07	.984	.984	.984	-	.906	.831	-	.039	.024	.098	-	.079	21.00
TR6 ER D32/1.26-6-M16-07	1.260	1.260	1.260	-	1.181	1.106	-	.039	.024	.098	-	.079	21.00
TR6 ER D35/1.38-6-M16-07	1.378	1.378	1.378	-	1.299	1.224	-	.039	.024	.098	-	.079	21.00
TR6 ER D25/0.98-3-M12-10	.984	.984	.984	1.055	.787	.811	.811	.098	.031	.157	.118	.165	20.50
TR6 ER D32/1.26-4-M16-10	1.260	1.260	1.260	1.331	1.063	1.087	1.087	.098	.031	.157	.118	.165	20.50
TR6 ER D35/1.38-5-M16-10	1.378	1.378	1.378	1.449	1.181	1.205	1.205	.098	.031	.157	.118	.165	20.50

Designation	CICT ^m	LF	LF_2	LF_3	LF_4	OAL	OAL_2	OAL_3	OAL_4	DCONMS	THSZMS
TR6 ER D16/0.63-2-M08-07	2	.787	.992	.996	-	1.673	1.858	1.685	-	.512	M08
TR6 ER D20/0.79-4-M10-07	4	.984	1.071	1.075	-	1.850	1.858	1.862	-	.709	M10
TR6 ER D25/0.98-5-M12-07	5	1.181	1.189	1.193	-	2.047	2.055	2.059	-	.827	M12
TR6 ER D32/1.26-6-M16-07	6	1.378	1.307	1.311	-	2.283	2.291	2.295	-	1.142	M16
TR6 ER D35/1.38-6-M16-07	6	1.378	1.307	1.311	-	2.283	2.291	2.295	-	1.142	M16
TR6 ER D25/0.98-3-M12-10	3	1.378	.990	.989	.989	1.850	1.856	1.847	1.855	.827	M12
TR6 ER D32/1.26-4-M16-10	4	1.378	1.384	1.383	1.383	2.362	2.368	2.359	2.367	1.142	M16
TR6 ER D35/1.38-5-M16-10	5	1.378	1.384	1.383	1.383	2.362	2.368	2.359	2.367	1.142	M16

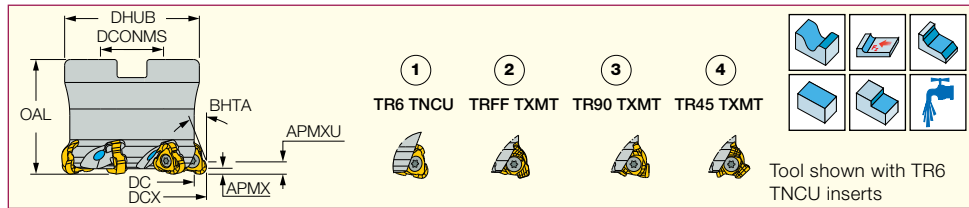
Designation	MID ⁿ	MIID 2 ⁿ	MIID 3 ⁿ	MIID 4 ⁿ	Lbs	Insert
TR6 ER D16/0.63-2-M08-07	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.07	TR6 TNCU 070210
TR6 ER D20/0.79-4-M10-07	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.11	TR6 TNCU 070210
TR6 ER D25/0.98-5-M12-07	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.18	TR6 TNCU 070210
TR6 ER D32/1.26-6-M16-07	TR6 TNCU 070210	TRFF TXMT 0702	TR90 TXMT 070204	-	.40	TR6 TNCU 070210
TR6 ER D35/1.38-6-M16-07	TR6 TNCU 070210	TRFF TXMT 070 2	TR90 TXMT 070204	-	.42	TR6 TNCU 070210
TR6 ER D25/0.98-3-M12-10	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.13	TR6 TNCU 100425
TR6 ER D32/1.26-4-M16-10	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.37	TR6 TNCU 100425
TR6 ER D35/1.38-5-M16-10	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.39	TR6 TNCU 100425

• Note: The data refers to master inserts, for other insert radii and geometries refer to the table below

^m Number of inserts ⁿ Master insert identification ⁿ Master insert identification 2 ⁿ Master insert identification 3 ⁿ Master insert identification 4

TR6 FR

Multifunction Face Mills that can Carry Four Different Insert Geometries



Designation	DCX	DCX_2	DCX_3	DCX_4	DC	DC_2	DC_4	APMX	APMX_2	APMX_3	APMX_4	APMXU	BHTA	CICT ^m	OAL	OAL_2
TR6 FR D1.50-06-0.50-10	1.500	1.500	1.500	1.560	1.303	1.263	1.315	.098	.310	.157	.118	.165	20.50	6	1.250	1.255
TR6 FR D2.00-07-0.75-10	2.000	2.000	2.000	2.062	1.803	1.763	1.815	.098	.310	.157	.118	.165	20.50	7	1.500	1.505
TR6 FR D2.50-08-1.00-10	2.500	2.500	2.500	2.562	2.303	2.263	2.315	.098	.310	.157	.118	.165	20.50	8	1.750	1.755
TR6 FR D3.00-10-1.25-10	3.000	3.000	3.000	3.063	2.803	2.763	2.815	.098	.310	.157	.118	.165	20.50	10	2.000	2.005

Designation	OAL_3	OAL_4	DCONMS	DHUB	Arbor	MIID ⁿ	MIID 2 ⁿ	MIID 3 ⁿ	MIID 4 ⁿ	Lbs
TR6 FR D1.50-06-0.50-10	1.246	1.254	.500	1.250	A	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.28
TR6 FR D2.00-07-0.75-10	1.496	1.504	.750	1.800	A	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.73
TR6 FR D2.50-08-1.00-10	1.746	1.754	1.000	2.250	A	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	.99
TR6 FR D3.00-10-1.25-10	1.996	2.004	1.250	2.870	A	TR6 TNCU 100425	TRFF TXMT 1004	TR90 TXMT 100408	TR45 TXMT 1004	2.39

• Note: The data refers to master inserts, for other insert radii and geometries refer to the table below

^m Number of inserts ⁿ Master insert identification ⁿ Master insert identification 2 ⁿ Master insert identification 3 ⁿ Master insert identification 4

**Pentagonal Economical Adapters,
5 Pockets for Parting & Grooving**



Ease of Use



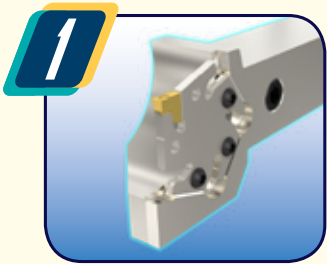
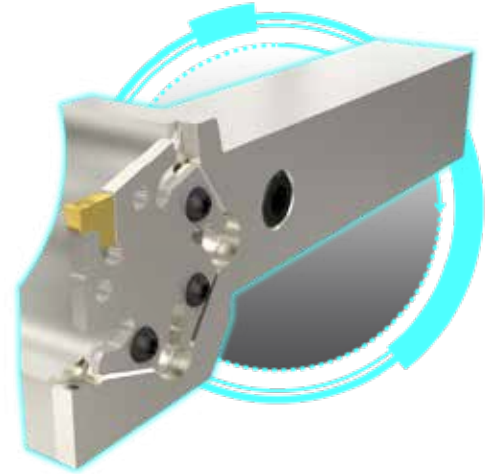
High Pressure
Coolant



New Generation



Cost Effective
Insert



Use Promo Code: **LQ27**

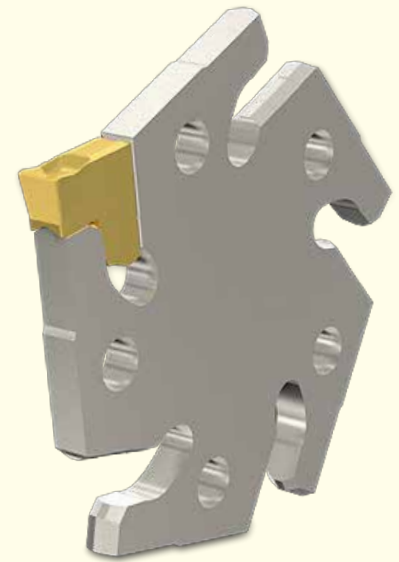
Purchase

30 assorted TAG Inserts by pack size
from widths .08" and .12"

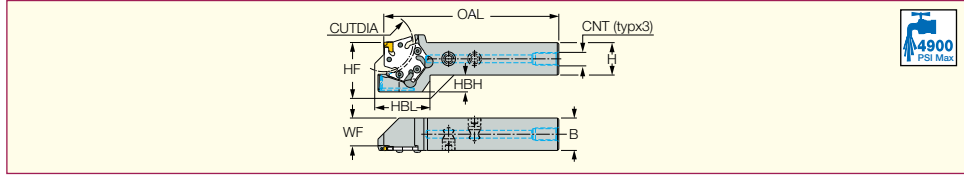
Receive

a Corresponding ADMP-D45-2.0 or 3.0
and a THMPR\L-D45 Holder (for parting up to 1.77")

Free of Charge



THMPR/L D45-JHP
Holders with High Pressure
Coolant Channels for Pentagonal
TANG-GRIP Adapters

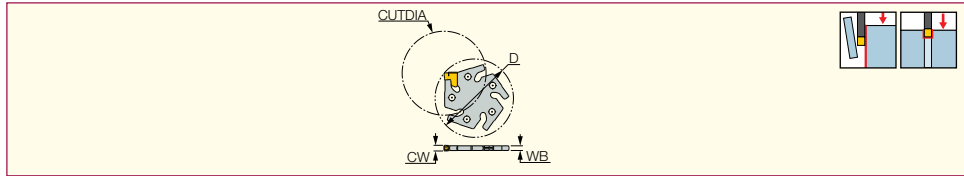


Designation	H	HF	HBH	B	WF	CUTDIA	OAL	HBL	CNT
THMPR/L 19-D45-JHP	.750	.752	.75	.750	.644	1.77	5.315	1.40	G1/8
THMPR/L 25.4-D45-JHP	1.000	1.004	.50	1.000	.896	1.77	5.315	1.40	G1/8

Spare Parts

Designation				
THMPR/L D45-JHP	SR M3X8 ISO 14580 BLACK	T-10/5	PLG 1/8BSP TL360	HW 5.0

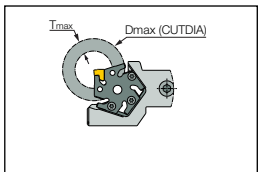
ADMP D45
Parting and Grooving Adapters
With 5 Pockets for TANG-GRIP
Tangentially Clamped Inserts.



Designation	CWN ^m	CWX ^m	WB	D	CUTDIA	Insert
ADMP D45-2.0	.071	.094	.063	1.654	1.77	TAG 2
ADMP D45-3.0	.110	.138	.098	1.654	1.77	TAG 3

^m Minimum cutting width
^m Maximum cutting width

DESIGNATION	THMPR/L...-D45-JHP Tmax. to Dmax.									
Tmax.	≤.12"	≤.16"	≤.2"	≤.24"	≤.27"	≤.31"	≤.35"	≤.39"	≤.88"	
Dmax.	3.35"	3.15"	2.95"	2.75"	2.56"	2.36"	2.16"	1.97"	1.77"	

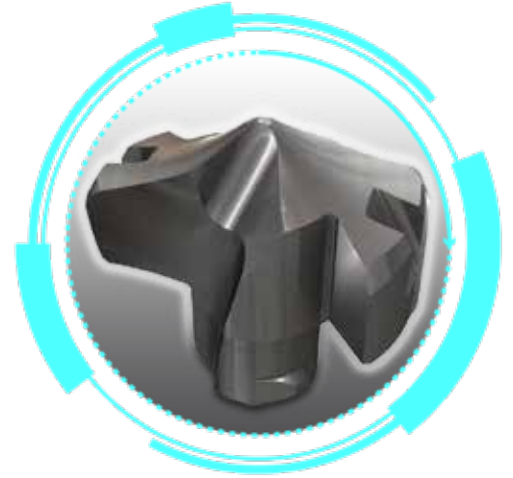


Spare Parts

Designation	
ADMP D45-2.0	ETG 2*
ADMP D45-3.0	ETG 3-4-SH*

* Optional, should be ordered separately

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.

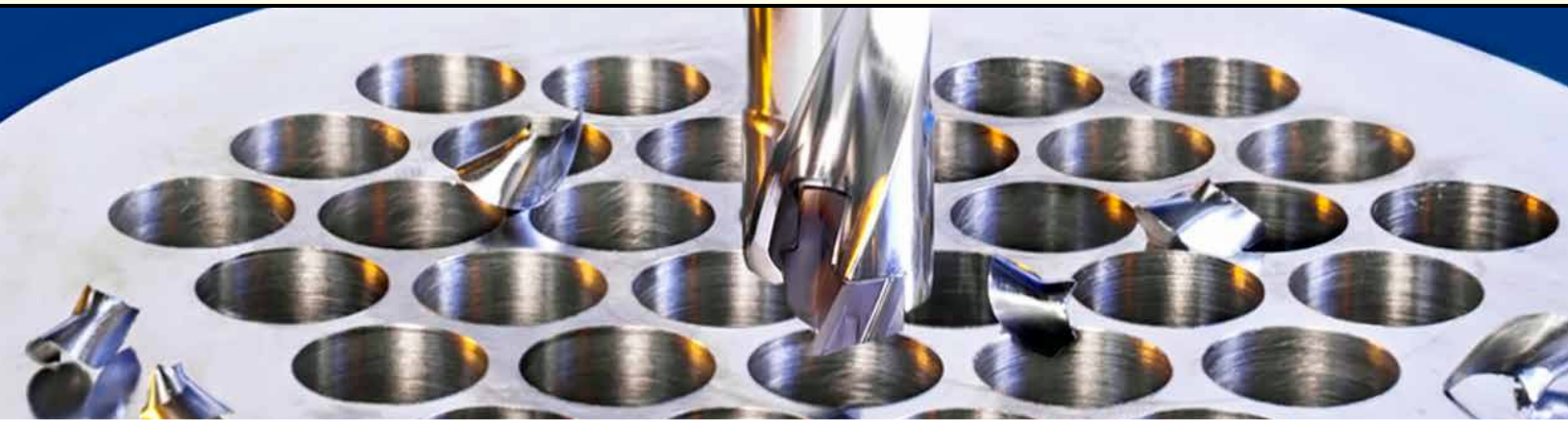


Use Promo Code: **LQ19**

Purchase

6 ICP/ICK/ICM/HCP/FCP,
Assorted Inserts by pack size (of the same size)
+ Corresponding Drill Body up to 6.5 mm diameter

**Receive 20%
Additional Discount
on the whole package-
tool and inserts, up to 8XD**



3 Effective Cutting Edges Drilling Master

Available in up to 5xD



Self Centering
Insert



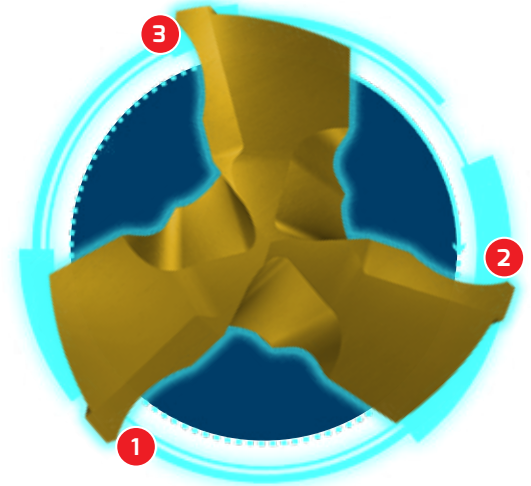
For Steel &
Cast Iron



High Productivity



Cost Effective
Insert



Purchase

6 H3P Assorted inserts by pack size (of the same size)
+ Corresponding Drill Body

**Receive 75%
Additional Discount**

on D3N Drill Body up to 5XD

Use Promo Code: **LQ41**



- 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



Purchase

2 Solid Carbide Mill Thread Assorted Tools

**Receive 15%
Additional Discount**

Use Promo Code: **LQ21**



Purchase

4 Solid Carbide Mill Thread Assorted Tools

**Receive 25%
Additional Discount**

Use Promo Code: **LQ22**



Double Sided Insert with 4 Positive Cutting Edges

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



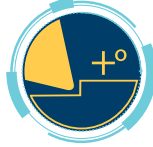
Medium Finish



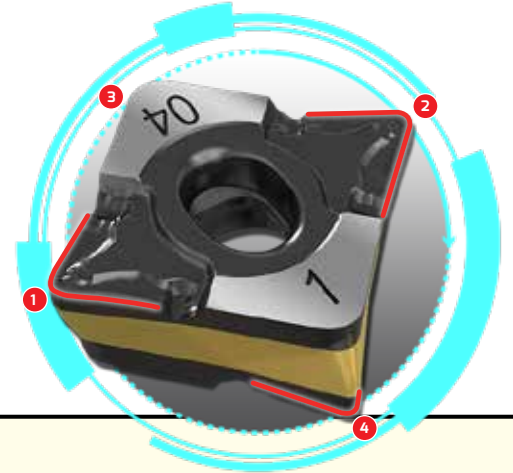
Double Sided Insert



Dovetail



Positive Rake Insert



Purchase

20 CXMG 09 Assorted Inserts by pack size

Receive 50% Additional Discount

on the Corresponding External Holder

* JHP Holders are not included

Use Promo Code: **LQ36**



Purchase

30 CXMG 09 Assorted Inserts by pack size

Receive

Corresponding External Holder

Free of Charge

Use Promo Code: **LQ37**



Purchase

30 CXMG 09 Assorted Inserts by pack size

Receive 50%

Additional Discount

on the Corresponding Internal Holder

Use Promo Code: **LQ38**





Use Promo Code: **LQ23**

Purchase

20 CXMG 12 Assorted Inserts by pack size

**Receive 50%
Additional Discount**

on the Corresponding External Holder

* JHP Holders are not included



Use Promo Code: **LQ39**

Purchase

30 CXMG 12 Assorted Inserts by pack size

Receive

Corresponding External Holder

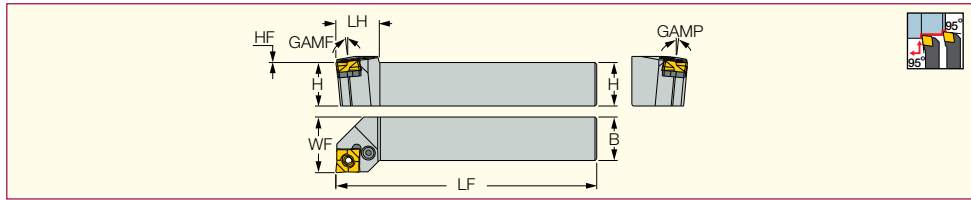
Free of Charge

* JHP Holders are not included



PCLXR/L

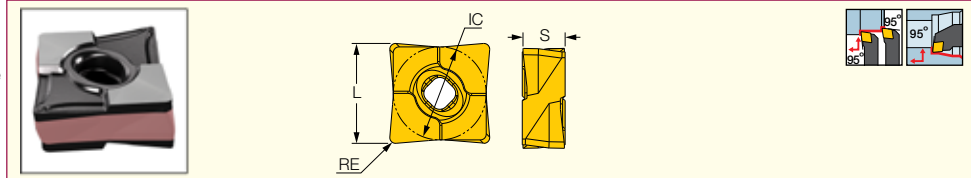
Lever Lock Tools Carrying the CXMG 80° Rhombic Inserts



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..

CXMG-F3M

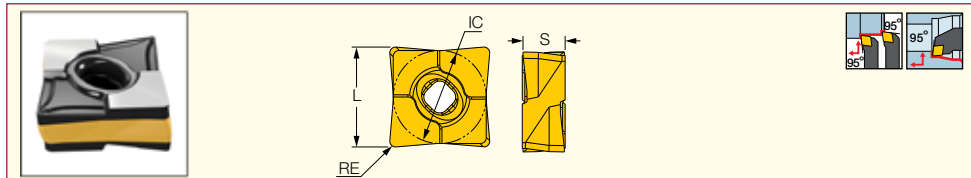
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing on Stainless Steel and H.T.A.



Designation	Dimensions				Tough ↔ Hard			Recommended Machining Data	
	L	IC	S	RE	IC6025	IC806	IC807	a (inch)	f (IPR)
CXMG 090404-F3M	.409	.382	.183	.0157	•	•	•	.016-.079	.0020-.0098
CXMG 12T504-F3M	.544	.504	.228	.0157	•	•	•	.016-.079	.0020-.0098
CXMG 12T508-F3M	.541	.504	.228	.0315	•	•	•	.031-.079	.0020-.0098

CXMG-F3P

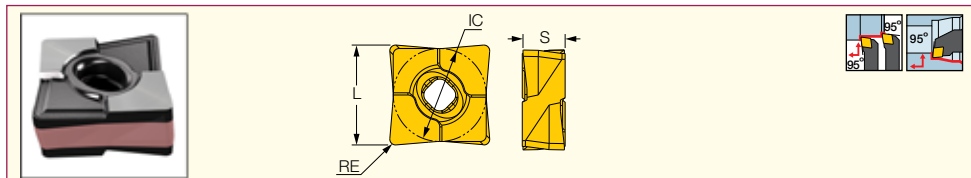
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Finishing on Alloyed Steel



Designation	Dimensions				IC8150	Recommended Machining Data	
	L	IC	S	RE		a (inch)	f (IPR)
CXMG 090404-F3P	.409	.382	.183	.0157	•	.016-.079	.0020-.0098
CXMG 12T504-F3P	.544	.504	.228	.0157	•	.016-.079	.0020-.0098
CXMG 12T508-F3P	.541	.504	.228	.0315	•	.016-.079	.0020-.0098

CXMG-M3M

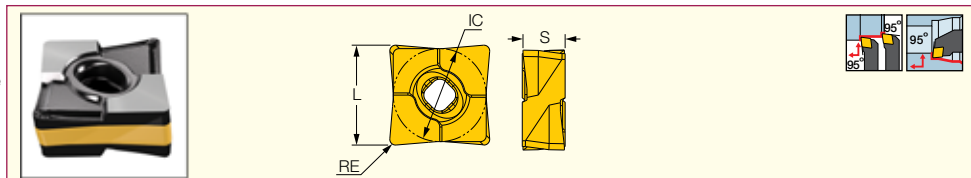
80° Double-Sided and Double-Positive Inserts with a Positive Rake for Medium Machining on Stainless Steel and H.T.A.



Designation	Dimensions				Tough ↔ Hard			Recommended Machining Data	
	L	RE	S	IC	IC6025	IC806	IC807	a (inch)	f (IPR)
CXMG 090408-M3M	.406	.0315	.183	.382	•	•	•	.031-.118	.0059-.0197
CXMG 12T508-M3M	.541	.0315	.228	.504	•	•	•	.031-.197	.0059-.0197
CXMG 12T512-M3M	.539	.0472	.228	.504	•	•	•	.047-.197	.0059-.0197

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 (inch)	f (IPR)
CXMG 090408-M3P	.406	.382	.183	.0315	•	•	.031-.118	.0039-.0197
CXMG 12T508-M3P	.541	.504	.228	.0315	•	•	.031-.197	.0039-.0197
CXMG 12T512-M3P	.539	.504	.228	.0472	•	•	.047-.197	.0039-.0197

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