



KORLOY AMERICA PROMOTIONS

Valid Through September 30th, 2026

HQM

High rigidity you need for highfeed milling with 4 corner square inserts

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



HQMSA-SQ12

► 12 Type

: Ø1.25 - Ø1.50inch

Insert

[SQMT120516-MF/ML/MM](#)

[SQMW120516](#)



HQMCA-SQ12

► 12 Type

: Ø2.00 - Ø4.00inch

Insert

[SQMT120516-MF/ML/MM](#)

[SQMW120516](#)



HQMCA-SQ14

► 14 Type

: Ø2.00 - Ø4.00inch

Insert

[SQMT140520-MF/ML/MM](#)

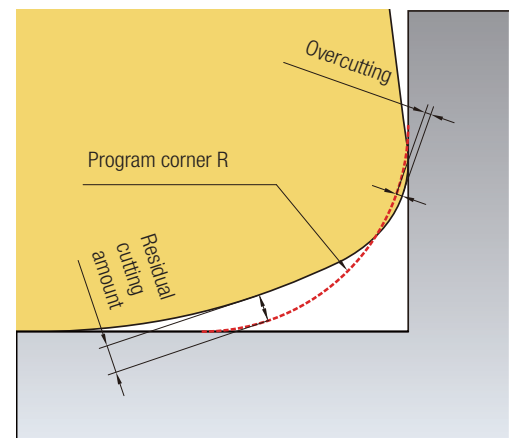
[SQMW140520](#)



► Precautions in corner R cutting

Insert	Program corner R	Nose R RE	APMX	Over cut	Uncut
SQMT120516R-MM	0.059	0.063	0.059	0.000	0.059
	0.079			0.000	0.056
	0.118			0.000	0.050
	0.138			0.002	0.046
	0.157			0.007	0.043
	0.177			0.013	0.040
	0.197			0.020	0.037
SQMT140520R-MM	0.059	0.063	0.063	0.000	0.068
	0.118			0.000	0.057
	0.138			0.000	0.054
	0.157			0.001	0.051
	0.177			0.006	0.048
	0.197			0.011	0.044
	0.217			0.018	0.041
	0.236			0.025	0.037

(inch)



----- Program corner R

- When writing CNC programs, entering the appropriate corner radius (R value) for each insert can lead to overcutting and residual cutting amounts in the corner machining areas, as described.
- To prevent overcutting, it is essential to create CNC programs that take the aforementioned overcutting amounts into account.

HFMD

High feed milling with fine pitch design,
double sided 4 corners insert for smaller diameter

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



HFMDSA-LN04

► 04 Type

: Ø0.375 - Ø0.75inch

Insert

[LNMX040205R-ML/MM](#)



HFMDSA-LN06

► 06 Type

: Ø0.625 - Ø1.50inch

Insert

[LNMX0603105R-MF/ML/MM](#)



HFMDCA-LN06

► 06 Type

: Ø1.25 - Ø2.50inch

Insert

[LNMX060310R-MF/ML/MM](#)



HFMDCA-LN10

► 10 Type

: Ø1.50 - Ø4.00inch

Insert

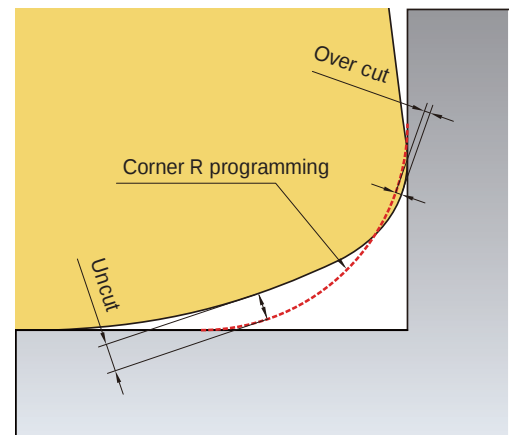
[LNMX100412R-MF/ML/MM](#)



► Corner R programming

Insert	Corner R programming	Cutting conditions		Over Cut	Uncut
		Nose R	Max. ap		
LNMX040205R-ML LNMX040205R-MM	R0.031	0.020	0.020	0.000	0.011
	R0.035 (Standard)			0.000	0.009
	R0.039			0.000	0.009
LNMX060310R-ML LNMX060310R-MF LNMX060310R-MM	R0.059	0.039	0.039	0.000	0.016
	R0.063 (Standard)			0.000	0.015
	R0.079			0.002	0.011
LNMX100412R-ML LNMX100412R-MF LNMX100412R-MM	R0.079	0.047	0.059	0.000	0.033
	R0.098 (Standard)			0.000	0.025
	R0.118			0.002	0.020

(inch)



----- Corner R programming

- During usage of CNC program, over cut & uncut would be occurred on the corner processing site if entering the correct program corner R value for each insert
- To prevent overcut, you will need to complete a CNC program considering the above overcut

HRMD

Want more corners?
Try 6 corners high feed milling

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



HRMDSA06

► 06 Type

: Ø0.75 - Ø1.25inch

Insert

[WNNMX060312ZNN-MF/ML/MM](#)



HRMDSA09

► 09 Type

: Ø1.00 - Ø1.50inch

Insert

[WNNMX09T316ZNN-MF/ML/MM](#)



HRMDSA09

► 09 Type

: Ø2.00 - Ø4.00inch

Insert

[WNNMX09T316ZNN-MF/ML/MM](#)



HRMDSA13

► 13 Type

: Ø1.25 - Ø1.50inch

Insert

[WNNMX130520ZNN-MF/ML/MM](#)



HRMDSA13

► 13 Type

: Ø2.00 - Ø4.00inch

Insert

[WNNMX130520ZNN-MF/ML/MM](#)



HRMDSA16

► 16 Type

: Ø3.00 - Ø6.00inch

Insert

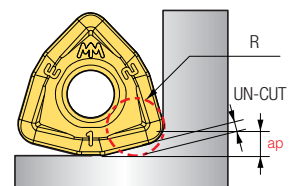
[WNNMX160312ZNN-MF/ML/MM](#)



► Features of insert

Designation	Cutting conditions		Approx. R (inch)	
	Max.ap(inch)	Max.fz(ipt)	Input. R	Uncut
WNNMX060312ZNN-□□	0.04	0.05	0.07	0.015
WNNMX09T316ZNN-□□	0.06	0.08	0.10	0.024
WNNMX130520ZNN-□□	0.08	0.12	0.12	0.032
WNNMX160720ZNN-□□	0.10	0.14	0.14	0.047

*Information for uncut part by using "Input.R" for CAM program



* Uncut part can be changed by poor machine conditions or weak clamp of workpiece, etc.

HFM

Great alternative to solid endmills for small diameter roughing

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



HFMSA1000

► 1000 Type

: Ø0.3125 - Ø0.8125 inch

Insert

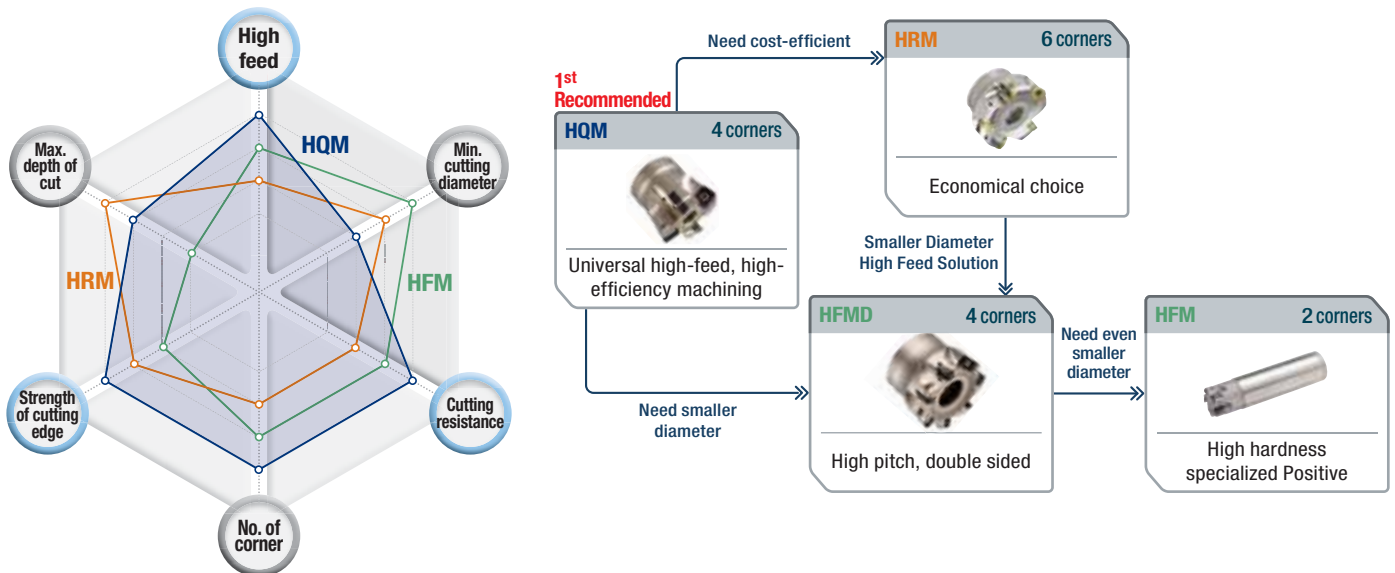
LPMT0402□OR-MF

LPMW0402□OR

LPEW0402□OR



High feed milling selection guide



Item	Cost-effectiveness	Cutting resistance	Max. Depth of cut	No. of corners	Min. Cutting dia
HQM	★★★★	★★★★★	★★★★	★★★★	★★
HFMD	★★★	★★★★	★★★	★★★★	★★★★★
HFM	★	★★	★★	★★	★★★★★
HRMD	★★★★★	★★★★	★★★★★	★★★★★	★★★★

Alpha Mill-X

High helix design for high speed,
high feed shoulder milling

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



AMXSA-AD10

► AD10 Type

: Ø0.625 - Ø1.50inch

Insert

ADHT10T304PEFR-MA

ADKT10T304PEER-ML

ADKT10T3□□PESR-MM



AMXCA-AD10

► AD10 Type

: Ø1.50 - Ø3.00inch

Insert

ADHT10T304PEFR-MA

ADKT10T304PEER-ML

ADKT10T3□□PESR-MM



AMXSA-AD12

► AD12 Type

: Ø0.75 - Ø1.50inch

Insert

ADHT12408PEFR-MA

ADKT12408PEER-ML

ADKT124□□PESR-MM



AMXCA-AD12

► AD12 Type

: Ø1.50 - Ø3.00inch

Insert

ADHT12408PEFR-MA

ADKT12408PEER-ML

ADKT124□□PESR-MM



AMXSA-AD17

► AD17 Type

: Ø1.00 - Ø1.50inch

Insert

ADHT170608PEFR-MA

ADKT170608PESR-ML

ADKT1706□□PESR-MM



AMXCA-AD17

► AD17 Type

: Ø1.50 - Ø5.00inch

Insert

ADHT170608PEFR-MA

ADKT170608PESR-ML

ADKT1706□□PESR-MM



► Features of cutter

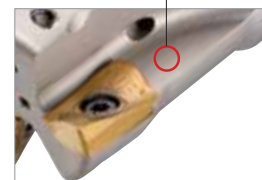


High rake angle cutting edge

- Improved surface finish
- Decreased cutting load



Perfect perpendicularity



Wider chip pocket

- Maximized chip control
- Outstanding chip control in high speed and high feed machining

RM3

Cost effective, high efficiency 3 corner shoulder milling

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



RM3PSA3000

► 3000 Type

: Ø0.75 - Ø1.50inch

Insert

XNKT06040 ☐ PNER-ML

XNKT06040 ☐ PNSR-MM



RM3PCA3000

► 3000 Type

: Ø1.50 - Ø3.00inch

Insert

XNKT06040 ☐ PNER-ML

XNKT06040 ☐ PNSR-MM



RM3PSA4000

► 4000 Type

: Ø2.00 - Ø1.00inch

Insert

XNCT0805 ☐ ☐ PNFR-MA

XNKT0805 ☐ ☐ PNER-ML

XNKT0805 ☐ ☐ PNSR-MM



RM3PCA4000

► 4000 Type

: Ø1.50 - Ø5.00inch

Insert

XNCT0805 ☐ ☐ PNFR-MA

XNKT0805 ☐ ☐ PNER-ML

XNKT0805 ☐ ☐ PNSR-MM



RM3PCA5000

► 5000 Type

: Ø3.00 - Ø5.00inch

Insert

XNCT120608PNFR-MA

XNKT1206 ☐ ☐ PNER-ML

XNKT1206 ☐ ☐ PNSR-MM



► Features of insert

Chip breaker

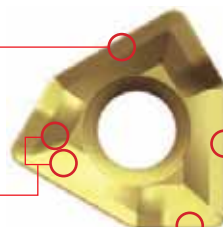
- High rake angle
- Smooth chip flow

Step design

- Good chip evacuation
- Low cutting force

Minor cutting-edge

- Wiper action for better surface finish



Major cutting-edge

- High rake
- Sharpened edge

APMX

XNKT12: 0.472 inch

XNKT08: 0.315 inch

XNKT06: 0.217 inch



2-step clearance

- Strong clamping
- Rigidity improvement

Pro-X Mill

Optimized aluminum milling with a mirrored finish

Buy 10 Inserts per Pocket
GET 1 FREE CUTTER

Use Code [PRM26001]



PAXSA5000-A,B

► 5000 Type

: Ø0.75 - Ø1.50inch

Insert

XEKT19M5 ☐ ☐ **FR-MA**

XEKT19M5 ☐ ☐ **ER-ML**



PAXCA5000-A,B

► 5000 Type

: Ø1.50 - Ø5.00inch

Insert

XEKT19M5 ☐ ☐ **FR-MA**

XEKT19M5 ☐ ☐ **ER-ML**



PAXSA6000-A,B

► 6000 Type

: Ø1.00 - Ø1.50inch

Insert

XEKT2506 ☐ ☐ **FR-MA**

XEKT2506 ☐ ☐ **ER-ML**



PAXCA6000-A,B

► 6000 Type

: Ø2.00 - Ø5.00inch

Insert

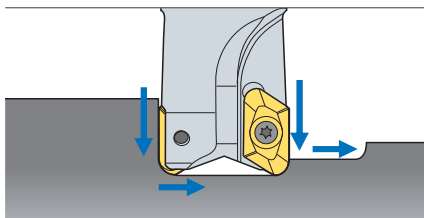
XEKT2506 ☐ ☐ **FR-MA**

XEKT2506 ☐ ☐ **ER-ML**



- A type: Insert NoseR 0.016 - 0.126(XEKT ☐ **04**FR-MA - XEKT ☐ **32**FR-MA)
- B type: Insert NoseR 0.157 - 0.197(XEKT ☐ **40**FR-MA & XEKT ☐ **50**FR-MA)

► Plunging, slotting, drilling technical data



1. When drilling, grooving machining sequence is ① → ② → ③ → ④
2. When drilling, grooving, decrease the feed and cutting speed 30% - 50% from the recommended data

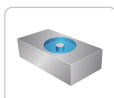
• Cutting conditions for drilling

Holder	ap (inch)	
	5000 type	6000 type
Ø0.75	0.315	-
Ø1.00	0.157	0.433
Ø1.25	0.157	0.236
Ø1.50 - 5.00	0.157	0.236
Insert	ap (inch)	
XEKT19	0.157	
XEKT25	0.236	

► Use



Copying



Helical cutting



Slotting & Shouldering



Ramping

TPDB Plus

Highly precise, efficient top solid indexable drill

Buy 6 Inserts per Pocket

GET 50% OFF DRILL BODY

Use Code [PRM26002]



TPDB Plus Drill (3D/5D/8D)

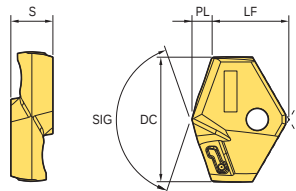
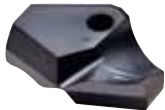
TPDBA - - - **P**

Drill Diameter Shank Diameter Aspect Ratio

► Ø0.394 inch - Ø1.298 inch

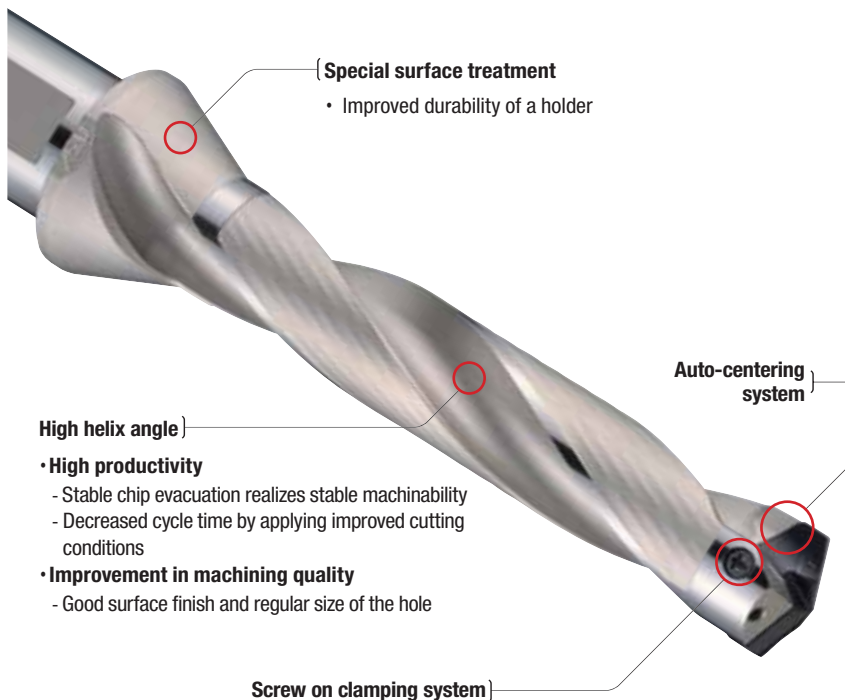


TPDB Plus Insert



► DC : Ø0.394 inch - Ø1.298 inch

Features



Advanced chip control due to a chip breaker



Cutting edge with low cutting resistance

- Low cutting load and excellent chip control

KING Drill

Superior chip control and stable tool life for efficient drilling

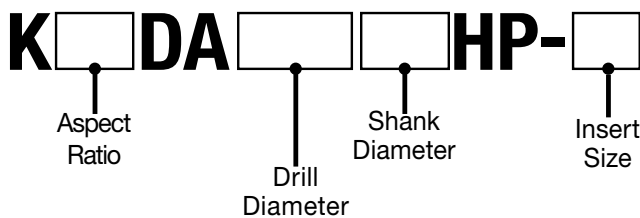
Buy 20 Inserts per Pocket

GET 50% OFF DRILL BODY

Use Code [PRM26003]



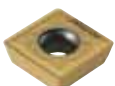
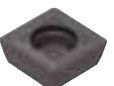
KING Drill (2D/3D/4D/5D)



► Ø31/64 inch - Ø2 3/8 inch

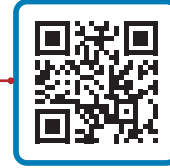


Features of insert

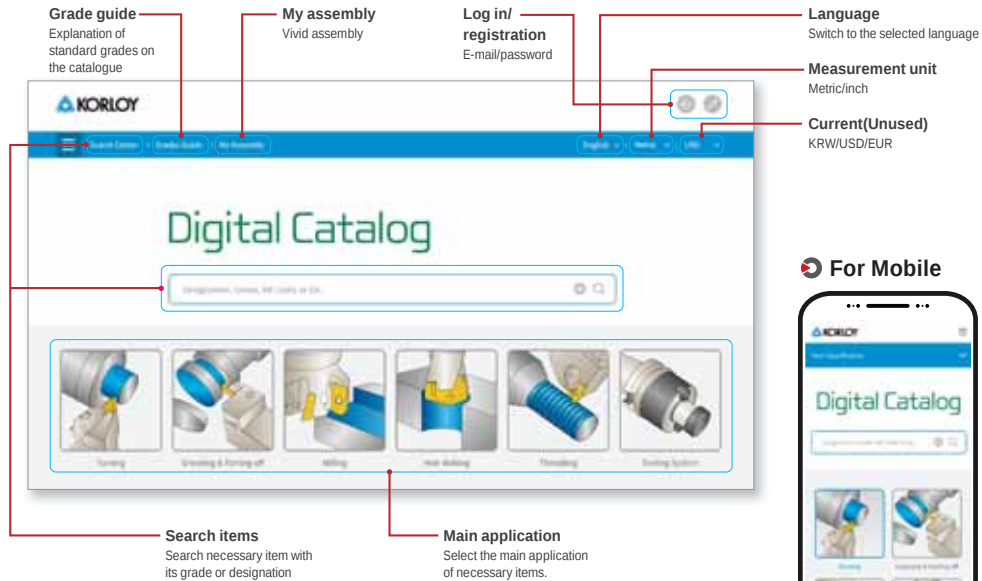
Chip breaker	PD		LD		ND		RD
Features	- Universal - At medium speed and medium feed		- Superior chip control for machining mild steel and stainless steel - Light cutting (at low - medium speed and low feed)		- Sharp cutting edge for aluminum machining - Insert surface buffed for high quality result - E Class tolerance		- Improved chipping resistance - Excellent performance in case of frequent fracture and chipping on the cutting edge
Insert	Peripheral insert SPMT-PD	Central insert XOMT-PD	Peripheral insert SPMT-LD	Central insert XOMT-LD	Peripheral insert SPET-ND	Central insert XOET-ND	Central insert XOMT-RD
Shape							
Applicable Insert	SPMT04-PD SPMT15-PD SPMT05-PD SPMT18-PD SPMT06-PD SPMT07-PD SPMT09-PD SPMT11-PD SPMT13-PD	XOMT04-PD XOMT15-PD XOMT05-PD XOMT18-PD XOMT06-PD XOMT07-PD XOMT09-PD XOMT11-PD XOMT13-PD	SPMT06-LD SPMT07-LD SPMT09-LD SPMT11-LD SPMT13-LD SPMT15-LD SPMT18-LD	XOMT06-LD XOMT07-LD XOMT09-LD XOMT11-LD XOMT13-LD XOMT15-LD XOMT18-LD	SPET04-ND SPET15-ND SPET05-ND SPET18-ND SPET06-ND SPET07-ND SPET09-ND SPET11-ND SPET13-ND	XOET04-ND XOET15-ND XOET05-ND XOET18-ND XOET06-ND XOET07-ND XOET09-ND XOET11-ND XOET13-ND	XOMT07-RD XOMT09-RD XOMT11-RD XOMT13-RD XOMT15-RD XOMT18-RD
Grades for workpiece	NC5330 : P, M, K PC3700 : P PC5300 : P, M, K, S PC6100 : K PC9540 : P, M, S		PC5335 : P, M		H01 : N		PC5300 : P, M, K, S

INTRODUCTION OF DIGITAL CATALOG

- 1) Connect to the digital catalogue on PC or mobile
» <https://catalog.korloy.com>
- 2) Guideline for main screen



For PC



For Mobile



Details

» Sub application



» Item group



» Item



» Item data, 2/3D modeling and details



KORLOY America Promotion:

- Please use promo code [PRM2600□□]
- Valid only for US & Korea stock items.
- Promotion valid through September 30th, 2026.
- Enduser drop-shipment required.
- Cannot be combined with any other offers. No blanket order accepted.
- Promotion may end without prior notice.



60th Anniversary of KORLOY

Need a customized promotion?
We're ready to discuss a flexible deal for in-stock items.
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