



2023 | SUMMER & FALL

PROMO PACK

MILLING

TURNING

DRILLING

S O L U T I O N S



Discounted Kits for Maximizing Productivity
Offers Valid through December 31, 2023

KYOCERA PRECISION TOOLS (KPT)

KYOCERA Precision Tools (KPT) is a division of the Kyocera-SGS Precision Tools Group specializing in the manufacturing, servicing, and marketing of Indexable Cutting Tools. With over 40 years of cutting tool expertise, KYOCERA has become the market-leader in Japan and has an established global presence with manufacturing, technical centers and sales offices in the Americas, Europe, and Asia.



KYOCERA Precision Tools

CUTTING-EDGE, COST-EFFICIENT SOLUTIONS

KYOCERA Precision Tools develops state-of-the-art indexable cutting tools that exceed quality expectations while providing the cost-efficiency that today's metalworking consumer demands. Though ceramic technologies were the nucleus of the original business model, Kyocera has become a global leader in the metal removal industry by developing state-of-the-art cutting tool solutions using carbide, cermet, CBN and PCD. Over the past 40 years, Kyocera has developed some of the highest-quality, innovative indexable tooling solutions the industry has seen, including the **MEC Ultra-Hurricane** 90° Milling Cutters, the **MFH-Raptor** High-Feed Milling Cutters, the **DRZ & DRV** Family of Magic Drills, and **CCX**, the first-ever CVD Coated Cermet.



PRODUCTS



Turning & Boring



Holemaking



Indexable Milling



*Small Tools for
Swiss Lathes*



*Quick-Change Tooling &
Specialty Tools*



Grooving & Cut-Off

MARKETS SERVED



Aerospace



Automotive



Medical & Dental



Power Generation



Oil & Gas

Milling Solutions

Cost-Efficient Kits Featuring (1) Milling Cutter and (10 Inserts)

MFH-MAX: High-Feed Milling with Larger Depths of Cut

MFH-Mini: Small Diameter High-Feed End Mills and Face Mills

MFH-Raptor: High-Feed Milling with Anti-Vibration Design

MFH-Micro: Smallest Diameter High-Feed Milling

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Turning Solutions

Cost-Efficient Kits Featuring (1) Toolholder and (10) Inserts

Steel Turning Kits featuring new CVD Grades CA115P & CA125P

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Stainless Steel & HRSA Turning Kits featuring new PVD Grades PR115S & PR120S

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Drilling Solutions

Cost-Efficient Kits Featuring (1) Drill Body,
(10) Inside Inserts and (10) Outside Inserts

DRV Magic Drill High-Performance Indexable Drilling Kits

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Find a Distributor Near You

www.KyoceraPrecisionTools.com/locate

Contact a Sales Engineer

www.KyoceraPrecisionTools.com/sales

KYOCERA Precision Tools

P : 800.823.7284 • F : 828.692.1344 • E : ctsales@kyocerapti.com

Official Website : www.kyoceraprecisiontools.com • Distributor Website : portal.kyoceraprecisiontools.com

MFH-MAX

High Feed Milling with a Larger Depth of Cut

Newest Addition to the MFH High Feed Milling Family with Larger D.O.C. Capabilities

Excellent Performance in Various Applications, including Automotive Parts, Difficult-to-cut Materials, and Mold Machining

4-edge, Double-sided Insert

Max. Depth of Cut
0.098"



Large lineup of end mills, face mills, and modular types available

NEW PR18-Series Grade Inserts

NEW



MEGACOAT
NANO EX | Milling |

Double Lamination
Technology
Maintains Longer Tool Life

Multi-layer structure with two unique nano layers
Superior abrasion resistance and fracture resistance

PR1825

P

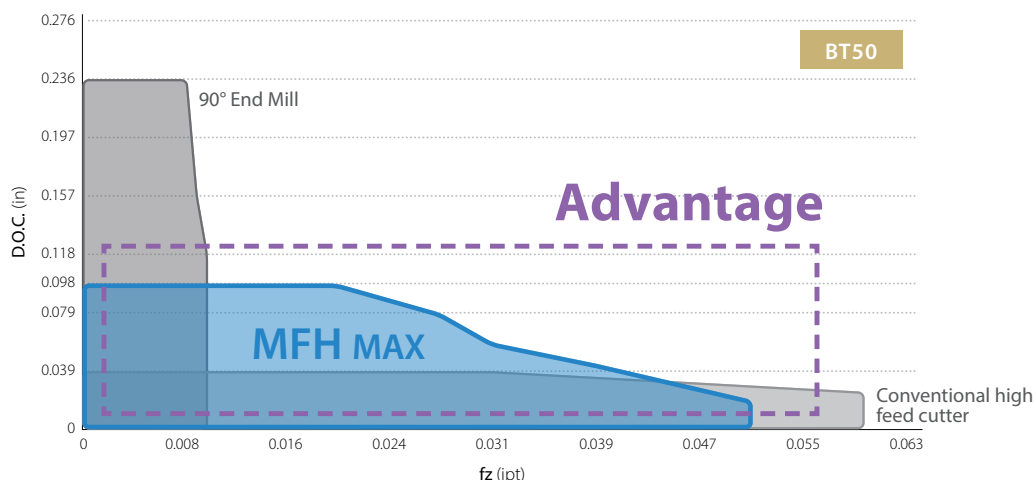
for Steel (Wear resistance oriented)

PR1835

M

for Steel (Stability oriented)
for Stainless Steel (1st recommendation)

The MFH MAX Advantage



Vc = 490 sfm, ae = 0.492" (ae/DCX = 50%), 1049 Dry Ø1.000" Overhang length 2.362" BT50

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Higher Efficiency at 0.098" Max. Depth of Cut

1 Better Alternative to Conventional 90° End Mills (Roughing to Medium-Finishing)



Automotive Suspension Parts

Automotive Parts

General Steel Machining

- Increased productivity with large D.O.C. machining
- High reliability in unstable machining environments
- Long overhang length and better clamping rigidity
- Stable machining with low rigidity machines
- High-efficiency ramping and Large ramping angle (Small dia. Ø25mm: 3°)
- Dramatic efficiency improvement when ramping in pockets

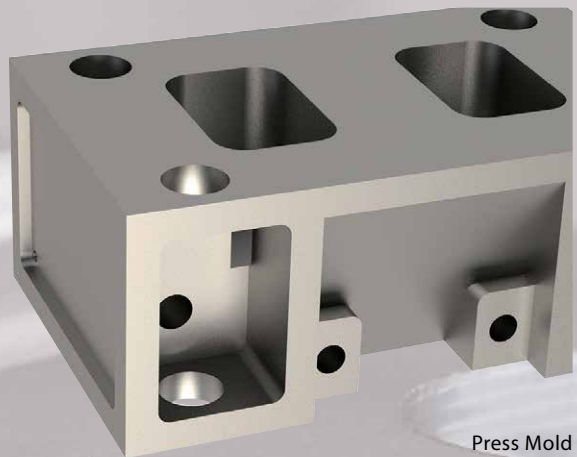
2 More Capabilities than Conventional High Feed Cutters

General Parts/Molds (Roughing/Facing)

General Parts, Pressing and Die Casting

- Higher productivity with larger D.O.C.
- Long tool life and improved efficiency through the reduction of tool paths
- Reduced machining time when machining workpieces with large variations in machining margins
- Longer tool life with high-efficiency machining

*MFH-Mini/RAPTOR recommended for contouring with small depth of cut and high feed



Press Mold

3 Excellent Solution for Machining Difficult-to-cut Materials



Aircraft Landing Gear Parts

Aircraft/Energy Industry Parts

Difficult-to-cut materials such as titanium alloy and stainless steel machining

- High feed rates increase productivity
- Long tool life through the reduction of tool paths
- Heat-resistant grade PR1535 provides long tool life and stable machining

Improve Productivity and Reduce Machining Costs

KYOCERA Precision Tools

P: 800.823.7284 • F: 828.692.1344 • E: ctsales@kyocerapti.com

Official Website: www.kyoceraprecisiontools.com • Distributor Website: portal.kyoceraprecisiontools.com

MILLING KITS

TURNING KITS

DRILLING KITS

MFH-MAX End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 7	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
End Mills Standard Shank (Weldon)	MFH 1000-W100-04-3T	1.000"	3	LOMU 040410ER-GM	PR1825	THN08662KITPR1825	\$330.00	\$460.00
					PR1835	THN08662KITPR1835		
	MFH 1250-W125-04-5T	1.250"	5	LOMU 040410ER-GM	PR1825	THN08664KITPR1825	\$390.00	\$550.00
					PR1835	THN08664KITPR1835		
End Mills Standard Shank (Cylindrical)	MFH 1000-S100-04-3T	1.000"	3	LOMU 040410ER-GM	PR1825	THN08657KITPR1825	\$300.00	\$420.00
					PR1835	THN08657KITPR1835		
	MFH 1250-S125-04-5T	1.250"	5	LOMU 040410ER-GM	PR1825	THN08659KITPR1825	\$350.00	\$490.00
					PR1835	THN08659KITPR1835		
End Mills Long Shank (Cylindrical)	MFH 1000-S100-04-3T-7	1.000"	3	LOMU 040410ER-GM	PR1825	THN08666KITPR1825	\$340.00	\$480.00
					PR1835	THN08666KITPR1835		
	MFH 1250-S125-04-4T-8	1.250"	4	LOMU 040410ER-GM	PR1825	THN08667KITPR1825	\$390.00	\$550.00
					PR1835	THN08667KITPR1835		
End Mills Modular	MFH 1000-M12-04-3T	1.000"	3	LOMU 040410ER-GM	PR1825	THN08678KITPR1825	\$300.00	\$420.00
					PR1835	THN08678KITPR1835		
	MFH 1250-M16-04-5T	1.250"	5	LOMU 040410ER-GM	PR1825	THN08680KITPR1825	\$350.00	\$490.00
					PR1835	THN08680KITPR1835		

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MFH-MAX Face Mill Kits

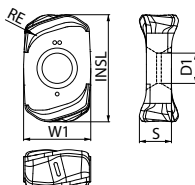
Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
Face Mills	MFH 1500R-04-6T	1.500"	6	LOMU 040410ER-GM	PR1825	THN08670KITPR1825	\$470.00	\$660.00
					PR1835	THN08670KITPR1835		
	MFH 2000R-04-7T	2.000"	7	LOMU 040410ER-GM	PR1825	THN08672KITPR1825	\$520.00	\$730.00
					PR1835	THN08672KITPR1835		
	MFH 2500R-04-9T	2.500"	9	LOMU 040410ER-GM	PR1825	THN08674KITPR1825	\$570.00	\$800.00
					PR1835	THN08674KITPR1835		
	MFH 3000R-04-10T	3.000"	10	LOMU 040410ER-GM	PR1825	THN08676KITPR1825	\$620.00	\$870.00
					PR1835	THN08676KITPR1835		

MFH-MAX Inserts

Usage Classification		P	Carbon Steel / Alloy Steel						★
			Mold Steel						★
★ Roughing / 1st Choice ☆ Roughing / 2nd Choice		M	Austenitic Stainless Steel					★	☆
			Martensitic Stainless Steel					★	☆
Insert		Part Number	Dimensions (in)					MEGACOAT NANO EX	
			W1	S	D1	INSL	RE	PR1835	PR1825
 General Purpose		LOMU 040410ER-GM	0.358	0.173	0.161	0.571	0.039	●	●

Workpiece material	P Steel					M Stainless steel				
ISO	01	10	20	30	40	01	10	20	30	40
Lineup	Wear resistance oriented					1st recommendation				
	PR1825					PR1835				
		Stability oriented								
		PR1835								



MFH-MINI

Small Diameter High Feed End Mills & Face Mills

Expanded Lineup

New MFH-Mini face mills now available in 1.500" and 2.000" diameters

Higher Productivity

Double-sided 4-edge inserts will save money and increase productivity

Advanced Coating Technology

MEGACOAT NANO EX Coating technology increases tool life when machining difficult-to-cut materials



NEW PR18-Series Grade Inserts NEW



MEGACOAT
NANO EX | Milling |

Double Lamination
Technology
Maintains Longer Tool Life

Multi-layer structure with two unique nano layers
Superior abrasion resistance and fracture resistance

PR1825

P

for Steel (Wear resistance oriented)

PR1835

M

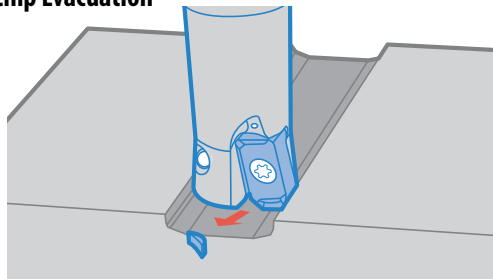
for Steel (Stability oriented)
for Stainless Steel (1st recommendation)

Good Chip Evacuation

MFH Mini Controls Chip Biting with Convex Cutting Edge

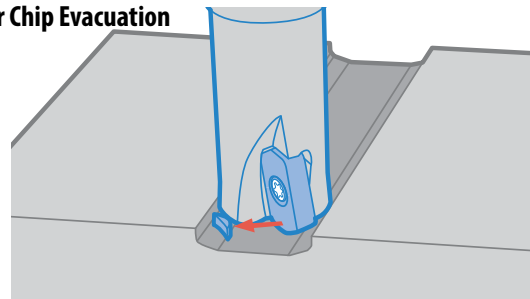
MFH Mini

Good Chip Evacuation



Competitor High Feed Cutter

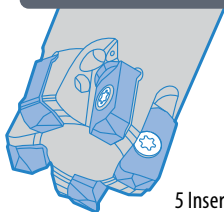
Poor Chip Evacuation



Fine Pitch for Efficient Machining

Cutter Dia. 1.000" Type

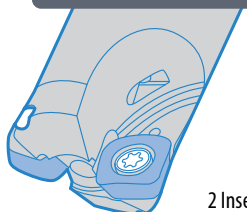
MFH Mini



5 Inserts

MFH1000-W100-03-5T47

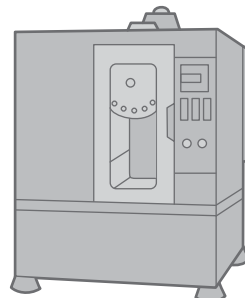
MFH



2 Inserts

MFH1000-W100-10-2T

Recommended for Roughing of Molds



High Feed Machining in
Small Machining Centers

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MFH-Mini End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 11	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
End Mills Standard Shank (Weldon)	MFH 0625-W625-03-2T-3	0.625"	2	LOGU030310ER-GM	PR1825	THN07720KITPR1825	\$300.00	\$420.00
					PR1835	THN07720KITPR1835		
	MFH 0750-W750-03-3T-4	0.750"	3	LOGU030310ER-GM	PR1825	THN07722KITPR1825	\$340.00	\$480.00
					PR1835	THN07722KITPR1835		
	MFH 1000-W100-03-4T47	1.000"	4	LOGU030310ER-GM	PR1825	THN07724KITPR1825	\$350.00	\$490.00
					PR1835	THN07724KITPR1835		
	MFH 1000-W100-03-5T47	1.000"	5	LOGU030310ER-GM	PR1825	THN07726KITPR1825	\$350.00	\$490.00
					PR1835	THN07726KITPR1835		
	MFH 1250-W125-03-5T-5	1.250"	5	LOGU030310ER-GM	PR1825	THN07728KITPR1825	\$400.00	\$560.00
					PR1835	THN07728KITPR1835		
	MFH 1250-W125-03-6T-5	1.250"	6	LOGU030310ER-GM	PR1825	THN07730KITPR1825	\$420.00	\$590.00
					PR1835	THN07730KITPR1835		
End Mills Standard Shank (Cylindrical)	MFH 0625-S625-03-2T-6	0.625"	2	LOGU030310ER-GM	PR1825	THN07810KITPR1825	\$310.00	\$440.00
					PR1835	THN07810KITPR1835		
	MFH 0750-S750-03-3T55	0.750"	3	LOGU030310ER-GM	PR1825	THN08568KITPR1825	\$340.00	\$480.00
					PR1835	THN08568KITPR1835		
	MFH 0750-S750-03-3T65	0.750"	3	LOGU030310ER-GM	PR1825	THN07812KITPR1825	\$350.00	\$490.00
					PR1835	THN07812KITPR1835		
	MFH 0875-S750-03-3T55	0.875"	3	LOGU030310ER-GM	PR1825	THN08569KITPR1825	\$350.00	\$490.00
					PR1835	THN08569KITPR1835		
	MFH 1000-S100-03-4T-5	1.000"	4	LOGU030310ER-GM	PR1825	THN08570KITPR1825	\$390.00	\$550.00
					PR1835	THN08570KITPR1835		
	MFH 1000-S100-03-4T-7	1.000"	4	LOGU030310ER-GM	PR1825	THN07814KITPR1825	\$390.00	\$550.00
					PR1835	THN07814KITPR1835		
	MFH 1250-S125-03-5T-62	1.250"	5	LOGU030310ER-GM	PR1825	THN08571KITPR1825	\$430.00	\$610.00
					PR1835	THN08571KITPR1835		
	MFH 1250-S125-03-5T-8	1.250"	5	LOGU030310ER-GM	PR1825	THN07816KITPR1825	\$430.00	\$610.00
					PR1835	THN07816KITPR1835		

MILLING KITS

TURNING KITS

DRILLING KITS

MFH-Mini Modular End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 11	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
End Mills Modular	MFH 0625-M08-03-2T	0.625"	2	LOGU030310ER-GM	PR1825	THN07570KITPR1825	\$260.00	\$370.00
					PR1835	THN07570KITPR1835		
	MFH 0750-M10-03-3T	0.750"	3	LOGU030310ER-GM	PR1825	THN07572KITPR1825	\$310.00	\$440.00
					PR1835	THN07572KITPR1835		
	MFH 1000-M12-03-4T	1.000"	4	LOGU030310ER-GM	PR1825	THN07574KITPR1825	\$340.00	\$480.00
					PR1835	THN07574KITPR1835		
	MFH 1000-M12-03-5T	1.000"	5	LOGU030310ER-GM	PR1825	THN07575KITPR1825	\$360.00	\$510.00
					PR1835	THN07575KITPR1835		
	MFH 1250-M16-03-5T	1.250"	5	LOGU030310ER-GM	PR1825	THN07576KITPR1825	\$360.00	\$510.00
					PR1835	THN07576KITPR1835		
	MFH 1250-M16-03-6T	1.250"	6	LOGU030310ER-GM	PR1825	THN07577KITPR1825	\$390.00	\$550.00
					PR1835	THN07577KITPR1835		
	MFH 1500-M16-03-6T	1.500"	6	LOGU030310ER-GM	PR1825	THN08347KITPR1825	\$530.00	\$750.00
					PR1835	THN08347KITPR1835		

MFH-Mini Face Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Insert Part Number	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
Face Mills	MFH 1500R-03-5T	1.500"	5	LOGU030310ER-GM	PR1825	THN08237KITPR1825	\$420.00	\$590.00
					PR1835	THN08237KITPR1835		
	MFH 1500R-03-6T	1.500"	6	LOGU030310ER-GM	PR1825	THN08238KITPR1825	\$430.00	\$610.00
					PR1835	THN08238KITPR1835		
	MFH 2000R-03-8T	2.000"	8	LOGU030310ER-GM	PR1825	THN08239KITPR1825	\$590.00	\$830.00
					PR1835	THN08239KITPR1835		
	MFH 2000R-03-9T	2.000"	9	LOGU030310ER-GM	PR1825	THN08681KITPR1825	\$610.00	\$860.00
					PR1835	THN08681KITPR1835		

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MFH-Mini Inserts									
Usage Classification		P	Carbon Steel / Alloy Steel						★
			Mold Steel						★
★ Roughing / 1st Choice		M	Austenitic Stainless Steel					★	☆
☆ Roughing / 2nd Choice			Martensitic Stainless Steel					★	☆
Insert		Part Number	Dimensions (in)					MEGACOAT NANO EX	
			W1	S	D1	INSL	RE	PR1835	PR1825
 General Purpose		LOGU 030310ER-GM	0.244	0.156	0.136	0.469	0.039	●	●

Workpiece material	P Steel					M Stainless steel				
ISO	01	10	20	30	40	01	10	20	30	40
Lineup	Wear resistance oriented					1st recommendation				
	PR1825					PR1835				
	Stability oriented									
	PR1835									



MFH-RAPTOR

Anti-Vibration Design for High Feed Milling Applications

High Feed with Less Vibration

Offering a variety of options with 3 different insert designs

Higher Productivity

Available for ramping and helical milling

Advanced Coating Technology

MEGACOAT NANO Coating technology increases tool life when machining difficult-to-cut materials



NEW PR18-Series Grade Inserts



MEGACOAT
NANO EX | Milling

Double Lamination
Technology
Maintains Longer Tool Life

Multi-layer structure with two unique nano layers
Superior abrasion resistance and fracture resistance

PR1825

P

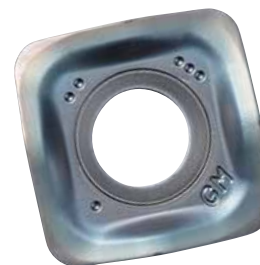
for Steel (Wear resistance oriented)

PR1835

M

for Steel (Stability oriented)
for Stainless Steel (1st recommendation)

GM Chipbreaker for General Purpose Milling



1st Choice for General Purpose





MFH-RAPTOR End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 15	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
End Mills Standard Shank (Weldon)	MFH 1000-W100-10-2T	1.000"	2	SOMT100420ER-GM	PR1825	THN07800KITPR1825	\$290.00	\$410.00
					PR1835	THN07800KITPR1835		
	MFH 1250-W125-10-3T	1.250"	3	SOMT100420ER-GM	PR1825	THN07802KITPR1825	\$300.00	\$420.00
					PR1835	THN07802KITPR1835		
	MFH 1500-W150-10-3T	1.500"	3	SOMT100420ER-GM	PR1825	THN07803KITPR1825	\$340.00	\$480.00
					PR1835	THN07803KITPR1835		
	MFH 1500-W150-10-4T	1.500"	4	SOMT100420ER-GM	PR1825	THN07804KITPR1825	\$420.00	\$590.00
					PR1835	THN07804KITPR1835		
End Mills Long Shank (Cylindrical)	MFH 1000-S100-10-2T-8	1.000"	2	SOMT100420ER-GM	PR1825	THN07805KITPR1825	\$290.00	\$410.00
					PR1835	THN07805KITPR1835		
	MFH 1250-S125-10-2T-8	1.250"	2	SOMT100420ER-GM	PR1825	THN07806KITPR1825	\$350.00	\$490.00
					PR1835	THN07806KITPR1835		
	MFH 1500-S125-10-4T-10	1.500"	4	SOMT100420ER-GM	PR1825	THN07807KITPR1825	\$470.00	\$660.00
					PR1835	THN07807KITPR1835		

MILLING KITS

TURNING KITS

DRILLING KITS



MFH-RAPTOR Face Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade

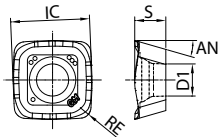
	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Page 15	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
Face Mills with 10mm Inserts	MFH 2000R-10-4T	2.000"	4	SOMT100420ER-GM	PR1825	THN07820KITPR1825	\$460.00	\$650.00
					PR1835	THN07820KITPR1835		
	MFH 2000R-10-5T	2.000"	5	SOMT100420ER-GM	PR1825	THN07821KITPR1825	\$460.00	\$650.00
					PR1835	THN07821KITPR1835		
	MFH 2500R-10-5T	2.500"	5	SOMT100420ER-GM	PR1825	THN07822KITPR1825	\$480.00	\$680.00
					PR1835	THN07822KITPR1835		
	MFH 2500R-10-6T	2.500"	6	SOMT100420ER-GM	PR1825	THN07823KITPR1825	\$480.00	\$680.00
					PR1835	THN07823KITPR1835		
	MFH 3000R-10-7T	3.000"	7	SOMT100420ER-GM	PR1825	THN07824KITPR1825	\$520.00	\$730.00
					PR1835	THN07824KITPR1835		
Face Mills with 14mm Inserts	MFH 2000R-14-4T	2.000"	4	SOMT140520ER-GM	PR1825	8606874KITPR1825	\$460.00	\$650.00
					PR1835	8606874KITPR1835		
	MFH 2000R-14-5T	2.000"	5	SOMT140520ER-GM	PR1825	THN08514KITPR1825	\$460.00	\$650.00
					PR1835	THN08514KITPR1835		
	MFH 2500R-14-4T	2.500"	4	SOMT140520ER-GM	PR1825	THN07825KITPR1825	\$460.00	\$650.00
					PR1835	THN07825KITPR1835		
	MFH 2500R-14-5T	2.500"	5	SOMT140520ER-GM	PR1825	THN07826KITPR1825	\$460.00	\$650.00
					PR1835	THN07826KITPR1835		
	MFH 2500R-14-5T-1000	2.500"	5	SOMT140520ER-GM	PR1825	THN08572KITPR1825	\$460.00	\$650.00
					PR1835	THN08572KITPR1835		
	MFH 3000R-14-5T	3.000"	5	SOMT140520ER-GM	PR1825	THN07827KITPR1825	\$480.00	\$680.00
					PR1835	THN07827KITPR1835		
	MFH 3000R-14-6T	3.000"	6	SOMT140520ER-GM	PR1825	THN07828KITPR1825	\$480.00	\$680.00
					PR1835	THN07828KITPR1835		
	MFH 3000R-14-6T-1250	3.000"	6	SOMT140520ER-GM	PR1825	THN08573KITPR1825	\$480.00	\$680.00
					PR1835	THN08573KITPR1835		

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MFH-Raptor Inserts

Usage Classification		P	Carbon Steel / Alloy Steel					★	
			Mold Steel					★	
★ Roughing / 1st Choice ☆ Roughing / 2nd Choice		M	Austenitic Stainless Steel				★	☆	
			Martensitic Stainless Steel				★	☆	
Insert		Part Number	Dimensions (in)				Angle	MEGACOAT NANO EX	
			IC	S	D1	RE	AN	PR1835	PR1825
 General Purpose		SOMT 100420ER-GM	0.406	0.180	0.181	0.079	16°	●	●
		SOMT 140520ER-GM	0.557	0.219	0.228	0.079	16°	●	●

Workpiece material	P Steel					M Stainless steel				
ISO	01	10	20	30	40	01	10	20	30	40
Lineup	Wear resistance oriented					1st recommendation				
	PR1825					PR1835				
	Stability oriented									
	PR1835									

MFH-MICRO

Smallest Diameter in High Feed Milling Series

Durable Design Aids in Chatter Resistance

Maximum D.O.C. 0.020" with stable high feed machining in a wide range of applications

Replaces Solid End Mills to Reduce Machining Costs

Suppresses chattering and increases milling efficiency

Advanced Coating Technology

MEGACOAT NANO Coating technology increases tool life when machining difficult-to-cut materials



Molded Convex Cutting Edge

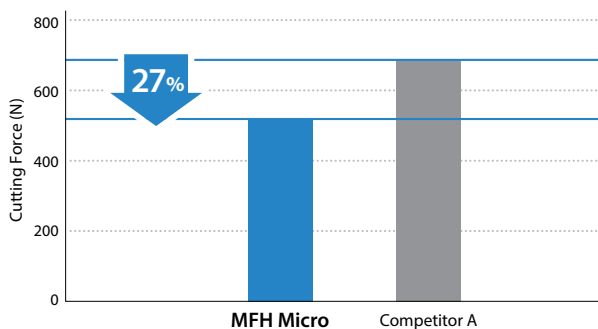


High Precision G Class Insert

1 Stable Machining with Chattering Resistance

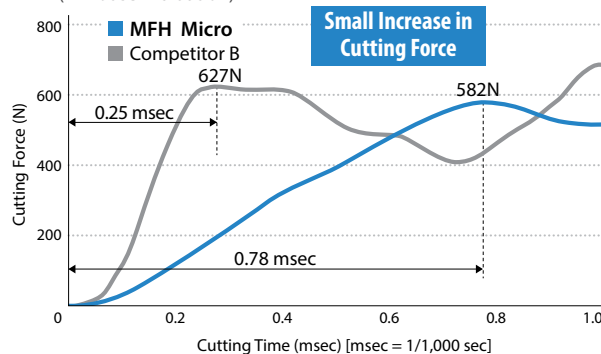
Molded Convex Cutting Edge Controls Initial Impact when Entering the Workpiece

Cutting Force Comparison (In-house Evaluation)



Cutting Conditions: $V_c = 390$ sfm, $f_z = 0.024$ ipt, D.O.C. = 0.016"
Cutter Dia. 0.0375", Slotting, Dry Workpiece: 1049

Increase in Cutting Force when Entering Work Piece (In-house Evaluation)



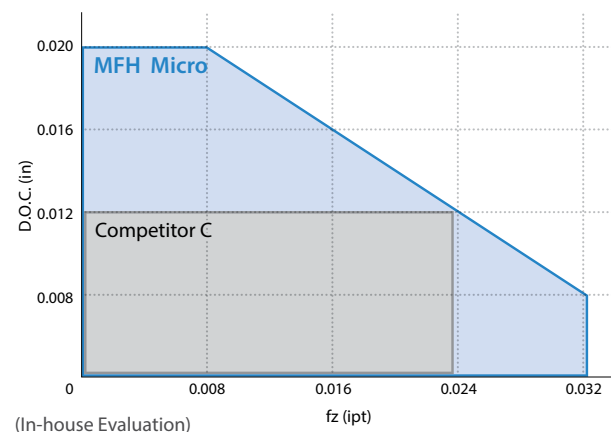
Cutting Conditions: $V_c = 390$ sfm, $f_z = 0.024$ ipt, D.O.C. $\times$ ae = 0.016" $\times$ 0.197"
Cutter Dia. 0.0375", Dry Workpiece: 1049

2 Wide Range of Machining Applications

Wide Range of Machining Applications at a Maximum Depth of Cut of 0.020"

Stable Machining Even with Small Machining Centers

Cutting Performance Map (Cutter Dia. 0.0375")



MFH-Micro End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Grade



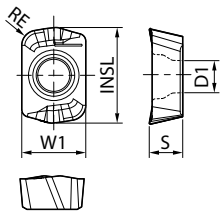
Cylindrical Shank End Mills



Modular End Mill

	Pick 1 Cutter Part Number	Cutting Dia.	No. of Insert Pockets	Insert Part Number See Below	Pick 1 Insert Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
Standard Shank (Cylindrical)	MFH 0375-S375-01-1T-3	0.375"	1	LPGT010210ER-GM	PR1825	975698KITPR1825	\$250.00	\$350.00
					PR1835	975698KITPR1835		
	MFH 0394-S375-01-2T-3	0.394"	2	LPGT010210ER-GM	PR1825	THN08566KITPR1825	\$250.00	\$350.00
					PR1835	THN08566KITPR1835		
	MFH 0500-S500-01-3T-3	0.500"	3	LPGT010210ER-GM	PR1825	8607020KITPR1825	\$250.00	\$350.00
					PR1835	8607020KITPR1835		
	MFH 0500-S500-01-3T-5	0.500"	3	LPGT010210ER-GM	PR1825	THN08567KITPR1825	\$250.00	\$350.00
					PR1835	THN08567KITPR1835		
	MFH 0625-S625-01-4T35	0.625"	4	LPGT010210ER-GM	PR1825	8607021KITPR1825	\$250.00	\$350.00
					PR1835	8607021KITPR1835		
Modular End Mill	MFH 0500-M06-01-3T	0.500"	3	LPGT010210ER-GM	PR1825	THN08345KITPR1825	\$250.00	\$350.00
					PR1835	THN08345KITPR1835		
	MFH 0625-M08-01-4T	0.625"	4	LPGT010210ER-GM	PR1825	THN08346KITPR1825	\$250.00	\$350.00
					PR1835	THN08346KITPR1835		

MFH-Micro Inserts

Usage Classification		P	Carbon Steel / Alloy Steel						★	
			Mold Steel						★	
★ Roughing / 1st Choice		M	Austenitic Stainless Steel					★	☆	
☆ Roughing / 2nd Choice			Martensitic Stainless Steel					★	☆	
Insert		Part Number		Dimensions (in)					MEGACOAT NANO EX	
				W1	S	D1	INSL	RE	PR1835	PR1825
		LPGT 010210ER-GM		0.165	0.086	0.083	0.247	0.039	●	●
General Purpose										

Workpiece material	P Steel					M Stainless steel				
ISO	01	10	20	30	40	01	10	20	30	40
Lineup	Wear resistance oriented					1st recommendation				
	PR1825					PR1835				
	Stability oriented									
	PR1835									

New CVD Coated Carbide Grade for Steel

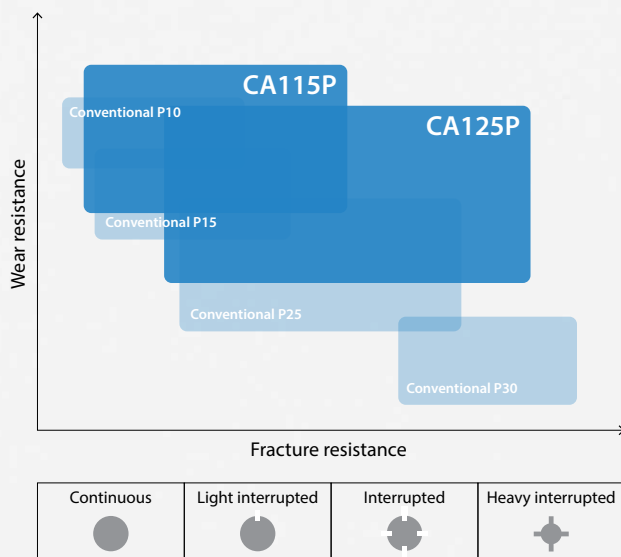
CA115P/CA125P ^{NEW}

The new standard for steel machining

Longer tool life in a wide range of machining environments

Expanded lineup of chipbreakers for steel machining in various applications

Application Map



CA115P

Continuous-light interrupted machining of steel

For high-efficiency machining
with wear and chipping resistance

CA125P

Continuous-heavy interrupted steel machining

First recommendation for steel machining
High versatility



Advanced Technology

New coating & carbide substrate



Black & Gold

Excellent wear and fracture resistance

Innovative Layering Technology

Ultra-uniform alumina layering

Proprietary crystal forming technology

Achieving significant crystal growth uniformity and direction

Reduces crater wear and extends tool life



New Chipbreaker Design

PMG Chipbreaker for Medium-Roughing

Unique design covers a wide range of machining applications

Maintains excellent chip control



For medium-roughing

PMG Chipbreaker NEW

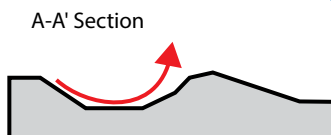
Covers a wide range of machining applications from medium machining to roughing
Excellent wear resistance with low cutting force design
Reduces chip shape inconsistencies and improves tool life

Step breaker structure

Suppresses chip entanglement during large D.O.C. machining with a gently rising surface

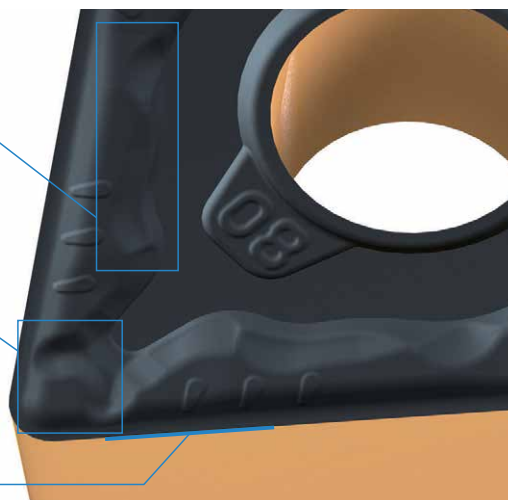
Circular Dot

Control chips during small D.O.C. machining



High Rake Perimeter

Low resistance design suppresses rake face temperature rise
Reduces chipbreakers wear and chip shape changes



For finishing

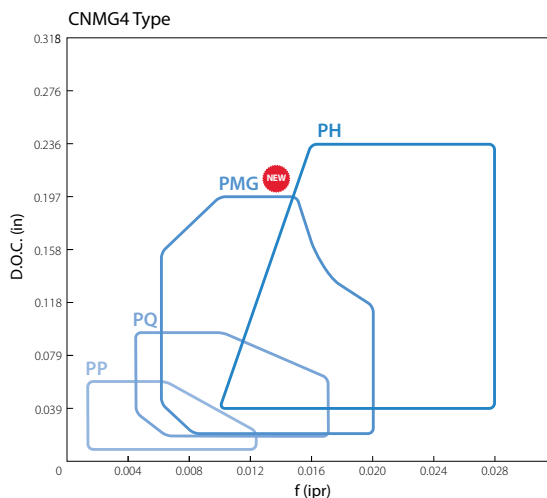
PP Chipbreaker

For Finishing
Low Resistance



Applicable Chipbreaker Range

(D.O.C. indicates radial depth of cut)



CA115P & CA125P Inserts

Usage Classification

- ★ Continous-Light Interrupted / 1st Choice
☆ Continous-Heavy Interrupted / 1st Choice

P

Carbon Steel / Alloy Steel

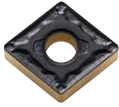
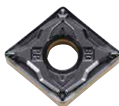
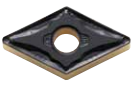
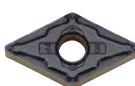
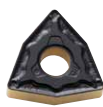
Mold Steel

★

☆

★

☆

Insert		Part Number	Dimensions (in)				CVD Coating	CVD Coating
			IC	Thickness	Hole	Corner-R (RE)	CA115P	CA125P
Medium-Roughing		CNMG 432PMG	1/2	3/16	0.203	1/32	●	●
Finishing		CNMG 432PP					●	●
Medium-Roughing		DNMG 432PMG	1/2	3/16	0.203	1/32	●	●
Finishing		DNMG 432PP					●	●
Medium-Roughing		WNMG 432PMG	1/2	3/16	0.203	1/32	●	●
Finishing		WNMG 432PP					●	●
Finishing		VNMG 331PP	3/8	3/16	0.150	1/64	●	●

Recommended Cutting Conditions

Vc (sfm)

Insert		Low Carbon Steel Low Carbon Alloy Steel	Medium Carbon Steel Medium Carbon Alloy Steel	High Carbon Alloy Steel
		Up to 25 HRC		Up to 32 HRC
CA115P	Negative	490 ~ 980 ~ 1310		490 ~ 920 ~ 1180
	Positive	390 ~ 790 ~ 1050		360 ~ 720 ~ 950
CA125P	Negative	490 ~ 790 ~ 1050		490 ~ 720 ~ 920
	Positive	390 ~ 620 ~ 850		360 ~ 560 ~ 750

KYOCERA Precision Tools

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MILLING KITS

TURNING KITS

DRILLING KITS

Steel Turning Kits

Includes (1) Double-Clamp Turning Toolholder and (10) Inserts

Choose your Toolholder, Insert Chipbreaker, and Insert Grade

Pick 1 Toolholder Part Number		Shank Size (Square)	Overall Length	Insert	Pick 1 Chipbreaker	Pick 1 Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
 DCLN... Double-Clamp Turning Holder	DCLNR 12-4B	0.750"	4.500"	CNMG432	PMG	CA115P	THC89560KITMGCA115	\$120.00	\$170.00
						CA125P	THC89560KITMGCA125		
					PP	CA115P	THC89560KITPPCA115		
						CA125P	THC89560KITPPCA125		
	DCLNL 12-4B				PMG	CA115P	THC89600KITMGCA115		
						CA125P	THC89600KITMGCA125		
					PP	CA115P	THC89600KITPPCA115		
						CA125P	THC89600KITPPCA125		
	DCLNR 16-4D	1.000"	6.000"		PMG	CA115P	THC89561KITMGCA115		
						CA125P	THC89561KITMGCA125		
					PP	CA115P	THC89561KITPPCA115		
						CA125P	THC89561KITPPCA125		
DCLNL 16-4D			PMG	CA115P	THC89601KITMGCA115				
				CA125P	THC89601KITMGCA125				
			PP	CA115P	THC89601KITPPCA115				
				CA125P	THC89601KITPPCA125				
 DDJN... Double-Clamp Turning Holder	DDJNR 12-4B	0.750"	4.500"	DNMG432	PMG	CA115P	THC89568KITMGCA115	\$140.00	\$200.00
						CA125P	THC89568KITMGCA125		
					PP	CA115P	THC89568KITPPCA115		
						CA125P	THC89568KITPPCA125		
	DDJNL 12-4B				PMG	CA115P	THC89608KITMGCA115		
						CA125P	THC89608KITMGCA125		
					PP	CA115P	THC89608KITPPCA115		
						CA125P	THC89608KITPPCA125		
	DDJNR 16-4D	1.000"	6.000"		PMG	CA115P	THC89569KITMGCA115		
						CA125P	THC89569KITMGCA125		
					PP	CA115P	THC89569KITPPCA115		
						CA125P	THC89569KITPPCA125		
DDJNL 16-4D			PMG	CA115P	THC89609KITMGCA115				
				CA125P	THC89609KITMGCA125				
			PP	CA115P	THC89609KITPPCA115				
				CA125P	THC89609KITPPCA125				

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Steel Turning Kits

Includes (1) Double-Clamp Turning Toolholder and (10) Inserts

Choose your Toolholder, Insert Chipbreaker, and Insert Grade

Pick 1 Toolholder Part Number		Shank Size (Square)	Overall Length	Insert	Pick 1 Chipbreaker	Pick 1 Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
 DWLN... Double-Clamp Turning Holder	DWLNR 12-4B	0.750"	4.500"	WNMG432	PMG	CA115P	THC89590KITMGCA115	\$120.00	\$170.00
	CA125P					THC89590KITMGCA125			
	PP				CA115P	THC89590KITPPCA115			
					CA125P	THC89590KITPPCA125			
	DWLNL 12-4B	1.000"	6.000"		PMG	CA115P	THC89630KITMGCA115		
						CA125P	THC89630KITMGCA125		
	PP				CA115P	THC89630KITPPCA115			
					CA125P	THC89630KITPPCA125			
	DWLNR 16-4D				PMG	CA115P	THC89592KITMGCA115		
						CA125P	THC89592KITMGCA125		
					PP	CA115P	THC89592KITPPCA115		
						CA125P	THC89592KITPPCA125		
DWLNL 16-4D	PMG	CA115P	THC89632KITMGCA115						
		CA125P	THC89632KITMGCA125						
	PP	CA115P	THC89632KITPPCA115						
		CA125P	THC89632KITPPCA125						
 DVJN... Double-Clamp Turning Holder	DVJNR 12-3B	0.750"	4.500"	VNMG331	PP	CA115P	THC89585KITPPCA115	\$140.00	\$200.00
	CA125P					THC89585KITPPCA125			
	PP				CA115P	THC89625KITPPCA115			
					CA125P	THC89625KITPPCA125			
	DVJNR 16-3D	1.000"	6.000"		PP	CA115P	THC89586KITPPCA115		
						CA125P	THC89586KITPPCA125		
	PP				CA115P	THC89626KITPPCA115			
					CA125P	THC89626KITPPCA125			

MILLING KITS

TURNING KITS

DRILLING KITS

PVD Coating for Heat-Resistant Alloy

PR115S/PR120S ^{NEW}



Unique carbide substrate with excellent heat-resistant properties and new coating technology "MEGACOAT TOUGH" provides longer tool life for heat-resistant alloy machining. Low cutting force and stable machining with specialized chipbreakers.

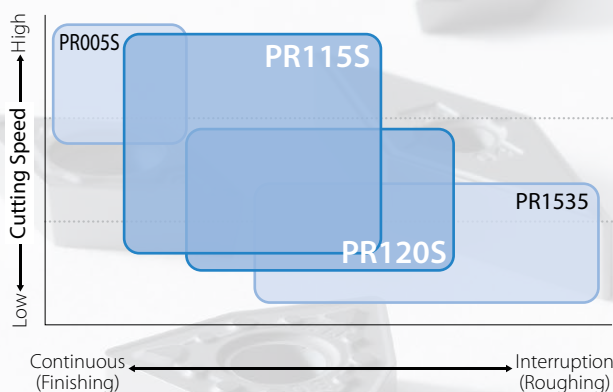
PR115S

Covers a wide range of difficult-to-cut material machining applications
1st recommendation for continuous finishing of heat-resistant alloys

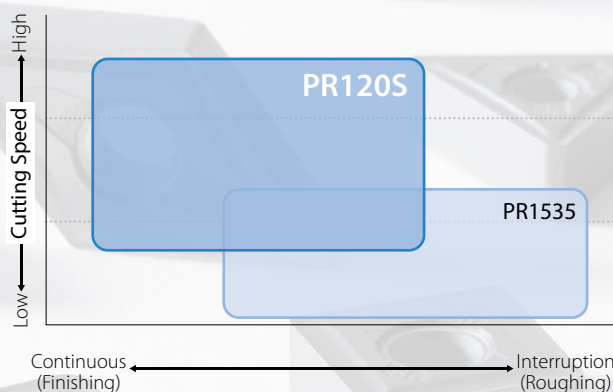
PR120S

Long tool life and stable machining in interrupted machining of heat-resistant alloys
1st recommendation for continuous finishing to light interrupted machining of stainless steel
Longer tool life extension possible for stainless steel machining

S Heat-Resistant Alloys Application map

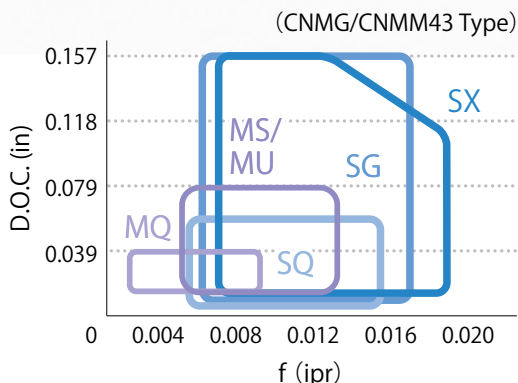


M Stainless Steel Application map

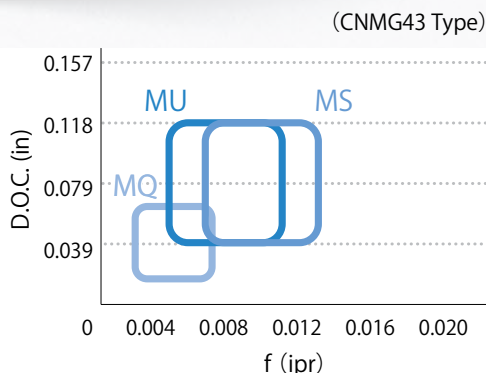


Applicable Chipbreaker Range (D.O.C. Indicates radial depth of cut per side)

Heat-Resistant Alloys



Stainless Steel

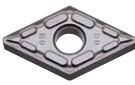
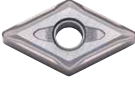


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PR115S & PR125S Inserts

Usage Classification								
★ 1st Choice ☆ 2nd Choice		M	Stainless Steel				☆	★
		S	Heat-Resistant Alloy				★	☆
Insert		Part Number	Dimensions (in)				PVD Coating	PVD Coating
			IC	Thickness	Hole	Corner-R (RE)	PR115S	PR120S
Finishing-Medium		CNMG 432MQ	1/2	3/16	0.203	1/32	●	●
Medium-Roughing		CNMG 432MS					●	●
Roughing		CNMG 432SG					●	●
Finishing-Medium		CNMG432SQ					●	●
Finishing-Medium		DNMG 432MQ	1/2	3/16	0.203	1/32	●	●
Medium-Roughing		DNMG 432MS					●	●
Roughing		DNMG 432SG					●	●
Finishing-Medium		DNMG 432SQ					●	●
Finishing-Medium		WNMG 432MQ	1/2	3/16	0.203	1/32	●	●
Medium-Roughing		WNMG 432MS					●	●
Roughing		WNMG 432SG					●	●
Finishing-Medium		VNMG331 MQ	3/8	3/16	0.150	1/64	●	●
Medium-Roughing		VNMG331 MS					●	●

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MILLING KITS

TURNING KITS

DRILLING KITS

HRSA Turning Kits

Includes (1) Double-Clamp Turning Toolholder and (10) Inserts

Choose your Toolholder, Insert Chipbreaker, and Insert Grade

Pick 1 Toolholder Part Number		Shank Size (Square)	Overall Length	Pick 1 Insert	Pick 1 Chipbreaker	Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
 DCLN... Double-Clamp Turning Holder	DCLNR 12-4B	0.750"	4.500"	CNMG432	MQ	PR115S	THC89560KITMQPR115	\$120.00	\$170.00
						PR120S	THC89560KITMQPR120		
					MS	PR115S	THC89560KITMSPR115		
						PR120S	THC89560KITMSPR120		
					SG	PR115S	THC89560KITSGPR115		
						PR120S	THC89560KITSGPR120		
	DCLNL 12-4B	0.750"	4.500"		SQ	PR115S	THC89560KITSQPR115		
						PR120S	THC89560KITSQPR120		
					MQ	PR115S	THC89600KITMQPR115		
						PR120S	THC89600KITMQPR120		
					MS	PR115S	THC89600KITMSPR115		
						PR120S	THC89600KITMSPR120		
	DCLNR 16-4D	1.000"	6.000"		SG	PR115S	THC89600KITSGPR115		
						PR120S	THC89600KITSGPR120		
					SQ	PR115S	THC89600KITSQPR115		
						PR120S	THC89600KITSQPR120		
					MQ	PR115S	THC89561KITMQPR115		
						PR120S	THC89561KITMQPR120		
	DCLNL 16-4D	1.000"	6.000"		MS	PR115S	THC89561KITMSPR115		
						PR120S	THC89561KITMSPR120		
					SG	PR115S	THC89561KITSGPR115		
						PR120S	THC89561KITSGPR120		
					SQ	PR115S	THC89561KITSQPR115		
						PR120S	THC89561KITSQPR120		
 DDJN... Double-Clamp Turning Holder	DDJNR 12-4B	0.750"	4.500"	DNMG432	MQ	PR115S	THC89568KITMQPR115	\$140.00	\$200.00
						PR120S	THC89568KITMQPR120		
					MS	PR115S	THC89568KITMSPR115		
						PR120S	THC89568KITMSPR120		
					SG	PR115S	THC89568KITSGPR115		
						PR120S	THC89568KITSGPR120		
	DDJNL 12-4B	0.750"	4.500"		SQ	PR115S	THC89568KITSQPR115		
						PR120S	THC89568KITSQPR120		
					MQ	PR115S	THC89608KITMQPR115		
						PR120S	THC89608KITMQPR120		
					MS	PR115S	THC89608KITMSPR115		
						PR120S	THC89608KITMSPR120		
	DDJNR 16-4D	1.000"	6.000"		SG	PR115S	THC89608KITSGPR115		
						PR120S	THC89608KITSGPR120		
					SQ	PR115S	THC89608KITSQPR115		
						PR120S	THC89608KITSQPR120		
					MQ	PR115S	THC89569KITMQPR115		
						PR120S	THC89569KITMQPR120		
	DDJNL 16-4D	1.000"	6.000"		MS	PR115S	THC89569KITMSPR115		
						PR120S	THC89569KITMSPR120		
					SG	PR115S	THC89569KITSGPR115		
						PR120S	THC89569KITSGPR120		
					SQ	PR115S	THC89569KITSQPR115		
						PR120S	THC89569KITSQPR120		
DDJNL 16-4D	1.000"	6.000"	MQ	PR115S	THC89609KITMQPR115				
				PR120S	THC89609KITMQPR120				
			MS	PR115S	THC89609KITMSPR115				
				PR120S	THC89609KITMSPR120				
			SG	PR115S	THC89609KITSGPR115				
				PR120S	THC89609KITSGPR120				
SQ	PR115S	THC89609KITSQPR115							
	PR120S	THC89609KITSQPR120							

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HRSA Turning Kits

Includes (1) Double-Clamp Turning Toolholder and (10) Inserts

Choose your Toolholder, Insert Chipbreaker, and Insert Grade

Pick 1 Toolholder Part Number		Shank Size (Square)	Overall Length	Pick 1 Insert	Pick 1 Chipbreaker	Grade	Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
 DWLN... Double-Clamp Turning Holder	DWLNR 12-4B	0.750"	4.500"	WNMG432	MQ	PR115S	THC89590KITMQPR115	\$120.00	\$170.00
						PR120S	THC89590KITMQPR120		
					MS	PR115S	THC89590KITMSPR115		
						PR120S	THC89590KITMSPR120		
					SG	PR115S	THC89590KITSGPR115		
						PR120S	THC89590KITSGPR120		
	DWLNL 12-4B	0.750"	4.500"		MQ	PR115S	THC89630KITMQPR115		
						PR120S	THC89630KITMQPR120		
					MS	PR115S	THC89630KITMSPR115		
						PR120S	THC89630KITMSPR120		
					SG	PR115S	THC89630KITSGPR115		
						PR120S	THC89630KITSGPR120		
	DWLNR 16-4D	1.000"	6.000"		MQ	PR115S	THC89592KITMQPR115		
						PR120S	THC89592KITMQPR120		
					MS	PR115S	THC89592KITMSPR115		
						PR120S	THC89592KITMSPR120		
					SG	PR115S	THC89592KITSGPR115		
						PR120S	THC89592KITSGPR120		
	DWLNL 16-4D	1.000"	6.000"		MQ	PR115S	THC89632KITMQPR115		
						PR120S	THC89632KITMQPR120		
					MS	PR115S	THC89632KITMSPR115		
						PR120S	THC89632KITMSPR120		
					SG	PR115S	THC89632KITSGPR115		
						PR120S	THC89632KITSGPR120		
 DVJN... Double-Clamp Turning Holder	DVJNR 12-3B	0.750"	4.500"	VNMG331	MQ	PR115S	THC89585KITMQPR115	\$140.00	\$200.00
						PR120S	THC89585KITMQPR120		
					MS	PR115S	THC89585KITMSPR115		
						PR120S	THC89585KITMSPR120		
					SG	PR115S	THC89585KITSGPR115		
						PR120S	THC89585KITSGPR120		
	DVJNL 12-3B	0.750"	4.500"		MQ	PR115S	THC89625KITMQPR115		
						PR120S	THC89625KITMQPR120		
					MS	PR115S	THC89625KITMSPR115		
						PR120S	THC89625KITMSPR120		
					SG	PR115S	THC89625KITSGPR115		
						PR120S	THC89625KITSGPR120		
	DVJNR 16-3D	1.000"	6.000"		MQ	PR115S	THC89586KITMQPR115		
						PR120S	THC89586KITMQPR120		
					MS	PR115S	THC89586KITMSPR115		
						PR120S	THC89586KITMSPR120		
					SG	PR115S	THC89586KITSGPR115		
						PR120S	THC89586KITSGPR120		
	DVJNL 16-3D	1.000"	6.000"		MQ	PR115S	THC89626KITMQPR115		
						PR120S	THC89626KITMQPR120		
					MS	PR115S	THC89626KITMSPR115		
						PR120S	THC89626KITMSPR120		
					SG	PR115S	THC89626KITSGPR115		
						PR120S	THC89626KITSGPR120		



DRV Magic Drill Kits

High Efficiency and High Speed Indexable Drill

2xD to 6xD drilling lineup with 4 chipbreakers for various machining applications

High speed and highly efficient machining with the combination of a CVD outer insert and PVD inner insert

Excellent hole accuracy with a highly rigid design for better chatter resistance

MILLING KITS

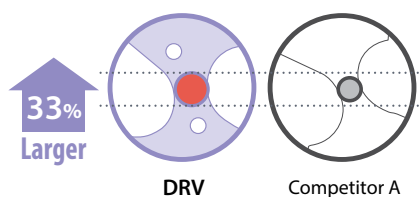
TURNING KITS

DRILLING KITS

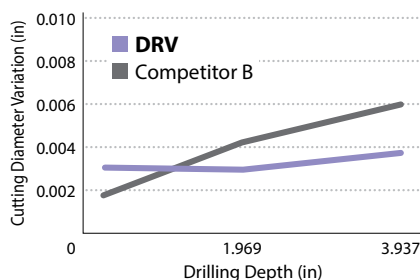
1 Excellent Drilling Precision with Less Variation in Cutting Diameter

Optimal Web Thickness and Low Cutting Force Design Reduces Chattering

Web Thickness Comparison
(Internal Evaluation)

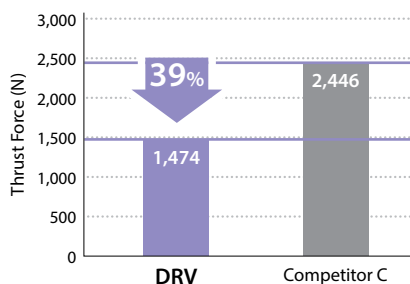


Cutting Diameter Variation Comparison
(Internal Evaluation)



Cutting Conditions : $V_c = 490$ sfm, $f = 0.0024$ ipr
Cutting Dia. $\varnothing 0.812$ " (5D), Wet, Workpiece : 1049

Cutting Force Comparison
(Internal Evaluation)



Cutting Conditions : $V_c = 660$ sfm, $f = 0.0047$ ipr
Cutting Dia. $\varnothing 0.812$ " (3D), Wet, Workpiece : 1049



Variety of Lengths Available from 2D ~ 6D

Expanded Lineup from $\varnothing 0.500$ " ~ $\varnothing 2.000$ "

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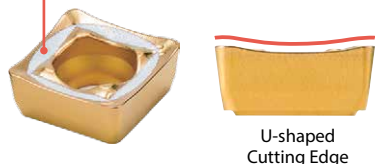
Please use specified Promo Code or Kit Part Number when placing orders. To locate a distributor visit www.kyoceraprecisiontools.com/locate.

2

Unique Insert Design to Control Chip Flow

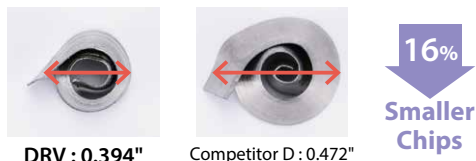
Outer Edge Insert

Unique Insert Pattern to Differentiate between Outside and Inside Inserts



Smooth Chip Evacuation with Compact Chips

Chip Shape Comparison of Outer Insert Cutting Edge (Internal Evaluation)



Cutting Conditions : $V_c = 490$ sfm, $f = 0.0024$ ipr, Cutting Dia. $\varnothing 0.812$ (3D), Wet Workpiece : 1049

Inner Edge Insert



Excellent Chip Evacuation with 6xD Maximum Deep-Hole Drilling

Weight per Unit of Length for Chips Generated by the Inner Insert (Internal Evaluation)

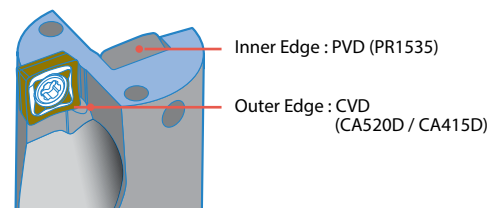


Cutting Conditions : $V_c = 820$ sfm, $f = 0.0031$ ipr, Cutting Dia. $\varnothing 0.812$ (5D), Wet Workpiece : 304

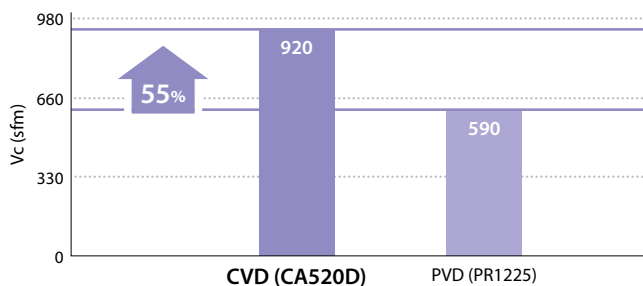
3

New Insert Grades Developed for Drilling

High Speed and Highly Efficient Machining with the Combination of CVD (Outer Edge) and PVD (Inner Edge) Inserts

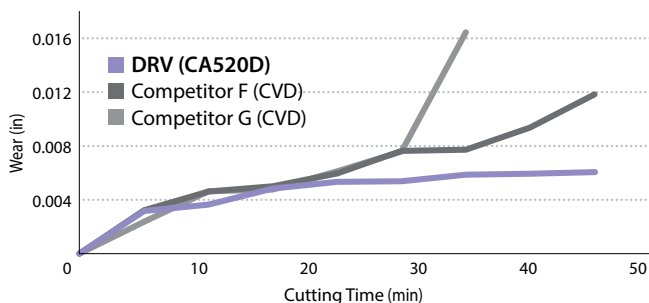


Recommended Cutting Conditions (Maximum Values)



Cutting Dia. $\varnothing 0.812$ " (3D) Workpiece : 1049

Wear Resistance Comparison (Internal Evaluation)



Cutting Conditions : $V_c = 660$ sfm, $f = 0.0047$ ipr, Cutting Dia. $\varnothing 0.812$ " (3D), Wet Workpiece : 4140H



2D



DRV Magic Drill - 2D Kits

Includes (1) Drill and (10) Inside Inserts and (10) Outside Inserts

Choose Your Drill Size and 1 of 2 Insert Combinations

Pick 1 Drill Body Part Number	Cutting Dia.	Shank Dia.	Pick 1 of 2 Combinations for Inside and Outside Inserts GM KIT for General Purpose / SM KIT for Stainless Steel				Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
			Inside Edge Insert	Insert Grade	Outside Edge Insert	Insert Grade			
S075-DRV0500-2-03	0.500"	0.750"	LCMT030205-GM-I	PR1535	LCMT030203-GM-E	CA520D	THD11891_KITGM	\$340.00	\$440.00
			LCMT030205-SM-I	PR1535	LCMT030203-SM-E	PR1225	THD11891_KITSM		
S075-DRV0562-2-04	0.562"	0.750"	SCMT040209-GM-I	PR1535	SCMT040205-GM-E	CA520D	THD11812_KITGM	\$360.00	\$470.00
			SCMT040209-SM-I	PR1535	SCMT040205-SM-E	PR1225	THD11812_KITSM		
S075-DRV0625-2-05	0.625"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11706_KITGM	\$360.00	\$470.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11706_KITSM		
S075-DRV0656-2-05	0.656"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11711_KITGM	\$360.00	\$470.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11711_KITSM		
S100-DRV0688-2-05	0.688"	1.000"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11716_KITGM	\$360.00	\$470.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11716_KITSM		
S100-DRV0750-2-06	0.750"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11721_KITGM	\$360.00	\$470.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11721_KITSM		
S100-DRV0812-2-06	0.812"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11731_KITGM	\$360.00	\$470.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11731_KITSM		
S100-DRV0875-2-06	0.875"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11736_KITGM	\$360.00	\$470.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11736_KITSM		
S100-DRV0938-2-07	0.938"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11746_KITGM	\$380.00	\$490.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11746_KITSM		
S100-DRV0984-2-07	0.984"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11751_KITGM	\$380.00	\$490.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11751_KITSM		
S100-DRV1000-2-07	1.000"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11756_KITGM	\$380.00	\$490.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11756_KITSM		
S125-DRV1062-2-09	1.062"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11822_KITGM	\$430.00	\$560.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11822_KITSM		
S125-DRV1125-2-09	1.125"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11823_KITGM	\$430.00	\$560.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11823_KITSM		
S125-DRV1188-2-09	1.188"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11824_KITGM	\$430.00	\$560.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11824_KITSM		
S150-DRV1250-2-09	1.250"	1.500"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11825_KITGM	\$430.00	\$560.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11825_KITSM		
S150-DRV1312-2-11	1.312"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11853_KITGM	\$470.00	\$610.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11853_KITSM		
S150-DRV1375-2-11	1.375"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11854_KITGM	\$470.00	\$610.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11854_KITSM		
S150-DRV1438-2-11	1.438"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11855_KITGM	\$470.00	\$610.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11855_KITSM		
S150-DRV1500-2-11	1.500"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11856_KITGM	\$470.00	\$610.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11856_KITSM		
S150-DRV1625-2-14	1.625"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12014_KITGM	\$520.00	\$680.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12014_KITSM		
S150-DRV1750-2-14	1.750"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12024_KITGM	\$520.00	\$680.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12024_KITSM		
S150-DRV1875-2-14	1.875"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12034_KITGM	\$520.00	\$680.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12034_KITSM		
S150-DRV2000-2-17	2.000"	1.500"	SCMT170610-GM-I	PR1535	SCMT170608-GM-E	CA520D	THD12044_KITGM	\$570.00	\$740.00
			SCMT170610-SM-I	PR1535	SCMT170608-SM-E	PR1225	THD12044_KITSM		

Estimated Cutting Tolerance (2D)

Applicable Insert Information [Page 35](#)

DC	Estimated Cutting Tolerance (in)
Ø0.500" - Ø2.000"	+0.012 0

These values are estimates.
These values may change due to
machine, workpiece, clamping power,
and cutting conditions

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3D



DRV Magic Drill - 3D Kits

Includes (1) Drill and (10) Inside Inserts and (10) Outside Inserts

Choose Your Drill Size and 1 of 2 Insert Combinations

Product Info



Pick 1 Drill Body Part Number	Cutting Dia.	Shank Dia.	Pick 1 of 2 Combinations for Inside and Outside Inserts GM KIT for General Purpose / SM KIT for Stainless Steel				Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
			Inside Edge Insert	Insert Grade	Outside Edge Insert	Insert Grade			
S075-DRV0500-3-03	0.500"	0.750"	LCMT030205-GM-I	PR1535	LCMT030203-GM-E	CA520D	THD11895_KITGM	\$350.00	\$460.00
			LCMT030205-SM-I	PR1535	LCMT030203-SM-E	PR1225	THD11895_KITSM		
S075-DRV0562-3-04	0.562"	0.750"	SCMT040209-GM-I	PR1535	SCMT040205-GM-E	CA520D	THD11814_KITGM	\$370.00	\$480.00
			SCMT040209-SM-I	PR1535	SCMT040205-SM-E	PR1225	THD11814_KITSM		
S075-DRV0625-3-05	0.625"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11707_KITGM	\$370.00	\$480.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11707_KITSM		
S075-DRV0656-3-05	0.656"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11712_KITGM	\$370.00	\$480.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11712_KITSM		
S100-DRV0688-3-05	0.688"	1.000"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11717_KITGM	\$370.00	\$480.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11717_KITSM		
S100-DRV0750-3-06	0.750"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11722_KITGM	\$380.00	\$490.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11722_KITSM		
S100-DRV0812-3-06	0.812"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11732_KITGM	\$380.00	\$490.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11732_KITSM		
S100-DRV0875-3-06	0.875"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11737_KITGM	\$380.00	\$490.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11737_KITSM		
S100-DRV0938-3-07	0.938"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11747_KITGM	\$390.00	\$510.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11747_KITSM		
S100-DRV0984-3-07	0.984"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11752_KITGM	\$390.00	\$510.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11752_KITSM		
S100-DRV1000-3-07	1.000"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11757_KITGM	\$390.00	\$510.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11757_KITSM		
S125-DRV1062-3-09	1.062"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11826_KITGM	\$450.00	\$590.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11826_KITSM		
S125-DRV1125-3-09	1.125"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11827_KITGM	\$450.00	\$590.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11827_KITSM		
S125-DRV1188-3-09	1.188"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11828_KITGM	\$450.00	\$590.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11828_KITSM		
S150-DRV1250-3-09	1.250"	1.500"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11829_KITGM	\$450.00	\$590.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11829_KITSM		
S150-DRV1312-3-11	1.312"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11857_KITGM	\$490.00	\$640.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11857_KITSM		
S150-DRV1375-3-11	1.375"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11858_KITGM	\$490.00	\$640.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11858_KITSM		
S150-DRV1438-3-11	1.438"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11859_KITGM	\$490.00	\$640.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11859_KITSM		
S150-DRV1500-3-11	1.500"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11860_KITGM	\$490.00	\$640.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11860_KITSM		
S150-DRV1625-3-14	1.625"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12015_KITGM	\$540.00	\$700.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12015_KITSM		
S150-DRV1750-3-14	1.750"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12025_KITGM	\$540.00	\$700.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12025_KITSM		
S150-DRV1875-3-14	1.875"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12035_KITGM	\$540.00	\$700.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12035_KITSM		
S150-DRV2000-3-17	2.000"	1.500"	SCMT170610-GM-I	PR1535	SCMT170608-GM-E	CA520D	THD12045_KITGM	\$590.00	\$770.00
			SCMT170610-SM-I	PR1535	SCMT170608-SM-E	PR1225	THD12045_KITSM		

■ Estimated Cutting Tolerance (3D)

Applicable Insert Information Page 35

DC	Estimated Cutting Tolerance (in)
Ø0.500" - Ø2.000"	+0.012 0

These values are estimates.
These values may change due to
machine, workpiece, damping power,
and cutting conditions

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MILLING KITS

TURNING KITS

DRILLING KITS

4D



DRV Magic Drill - 4D Kits

Includes (1) Drill and (10) Inside Inserts and (10) Outside Inserts

Choose Your Drill Size and 1 of 2 Insert Combinations

Product Info



Pick 1 Drill Body Part Number	Cutting Dia.	Shank Dia.	Pick 1 of 2 Combinations for Inside and Outside Inserts GM KIT for General Purpose / SM KIT for Stainless Steel				Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
			Inside Edge Insert	Insert Grade	Outside Edge Insert	Insert Grade			
S075-DRV0500-4-03	0.500"	0.750"	LCMT030205-GM-I	PR1535	LCMT030203-GM-E	CA520D	THD11899_KITGM	\$390.00	\$510.00
			LCMT030205-SM-I	PR1535	LCMT030203-SM-E	PR1225	THD11899_KITSM		
S075-DRV0562-4-04	0.562"	0.750"	SCMT040209-GM-I	PR1535	SCMT040205-GM-E	CA520D	THD11816_KITGM	\$400.00	\$520.00
			SCMT040209-SM-I	PR1535	SCMT040205-SM-E	PR1225	THD11816_KITSM		
S075-DRV0625-4-05	0.625"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11708_KITGM	\$400.00	\$520.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11708_KITSM		
S075-DRV0656-4-05	0.656"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11713_KITGM	\$400.00	\$520.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11713_KITSM		
S100-DRV0688-4-05	0.688"	1.000"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11718_KITGM	\$400.00	\$520.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11718_KITSM		
S100-DRV0750-4-06	0.750"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11723_KITGM	\$410.00	\$530.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11723_KITSM		
S100-DRV0812-4-06	0.812"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11733_KITGM	\$410.00	\$530.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11733_KITSM		
S100-DRV0875-4-06	0.875"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11738_KITGM	\$410.00	\$530.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11738_KITSM		
S100-DRV0938-4-07	0.938"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11748_KITGM	\$430.00	\$560.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11748_KITSM		
S100-DRV0984-4-07	0.984"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11753_KITGM	\$430.00	\$560.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11753_KITSM		
S100-DRV1000-4-07	1.000"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11758_KITGM	\$430.00	\$560.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11758_KITSM		
S125DRV1062-4-09	1.062"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11830_KITGM	\$490.00	\$640.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11830_KITSM		
S125-DRV1125-4-09	1.125"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11831_KITGM	\$490.00	\$640.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11831_KITSM		
S125-DRV1188-4-09	1.188"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11832_KITGM	\$490.00	\$640.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11832_KITSM		
S150-DRV1250-4-09	1.250"	1.500"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11833_KITGM	\$490.00	\$640.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11833_KITSM		
S150-DRV1312-4-11	1.312"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11861_KITGM	\$550.00	\$720.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11861_KITSM		
S150-DRV1375-4-11	1.375"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11862_KITGM	\$550.00	\$720.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11862_KITSM		
S150-DRV1438-4-11	1.438"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11863_KITGM	\$550.00	\$720.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11863_KITSM		
S150-DRV1500-4-11	1.500"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11864_KITGM	\$550.00	\$720.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11864_KITSM		
S150-DRV1625-4-14	1.625"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12016_KITGM	\$590.00	\$770.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12016_KITSM		
S150-DRV1750-4-14	1.750"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12026_KITGM	\$590.00	\$770.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12026_KITSM		
S200-DRV1875-4-14	1.875"	2.000"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12036_KITGM	\$610.00	\$790.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12036_KITSM		
S200-DRV2000-4-17	2.000"	2.000"	SCMT170610-GM-I	PR1535	SCMT170608-GM-E	CA520D	THD12046_KITGM	\$640.00	\$830.00
			SCMT170610-SM-I	PR1535	SCMT170608-SM-E	PR1225	THD12046_KITSM		

Estimated Cutting Tolerance (4D)

Applicable Insert Information Page 35

DC	Estimated Cutting Tolerance (in)	DC	Estimated Cutting Tolerance (in)
Ø0.500" - Ø1.500"	+0.014 0	Ø1.625" - Ø2.000"	+0.016 0

These values are estimates.
These values may change due to
machine, workpiece, clamping power,
and cutting conditions

2023 Summer / Fall Promo Pack Offers Valid through December 31, 2023

All promotional items are available exclusively through Authorized North American Kyocera Precision Tool Distributors.

Please use specified Promo Code or Kit Part Number when placing orders. To locate a distributor visit www.kyoceraprecisiontools.com/locate.

5D



DRV Magic Drill - 5D Kits

Includes (1) Drill and (10) Inside Inserts and (10) Outside Inserts

Choose Your Drill Size and 1 of 2 Insert Combinations

Product Info



Pick 1 Drill Body Part Number	Cutting Dia.	Shank Dia.	Pick 1 of 2 Combinations for Inside and Outside Inserts GM KIT for General Purpose / SM KIT for Stainless Steel				Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
			Inside Edge Insert	Insert Grade	Outside Edge Insert	Insert Grade			
S075-DRV0500-5-03	0.500"	0.750"	LCMT030205-GM-I	PR1535	LCMT030203-GM-E	CA520D	THD11903_KITGM	\$420.00	\$550.00
			LCMT030205-SM-I	PR1535	LCMT030203-SM-E	PR1225	THD11903_KITSM		
S075-DRV0562-5-04	0.562"	0.750"	SCMT040209-GM-I	PR1535	SCMT040205-GM-E	CA520D	THD11818_KITGM	\$430.00	\$560.00
			SCMT040209-SM-I	PR1535	SCMT040205-SM-E	PR1225	THD11818_KITSM		
S075-DRV0625-5-05	0.625"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11709_KITGM	\$430.00	\$560.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11709_KITSM		
S075-DRV0656-5-05	0.656"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11714_KITGM	\$430.00	\$560.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11714_KITSM		
S100-DRV0688-5-05	0.688"	1.000"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11719_KITGM	\$430.00	\$560.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11719_KITSM		
S100-DRV0750-5-06	0.750"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11724_KITGM	\$450.00	\$590.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11724_KITSM		
S100-DRV0812-5-06	0.812"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11734_KITGM	\$450.00	\$590.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11734_KITSM		
S100-DRV0875-5-06	0.875"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11739_KITGM	\$480.00	\$620.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11739_KITSM		
S100-DRV0938-5-07	0.938"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11749_KITGM	\$480.00	\$620.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11749_KITSM		
S100-DRV0984-5-07	0.984"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11754_KITGM	\$480.00	\$620.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11754_KITSM		
S100-DRV1000-5-07	1.000"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11759_KITGM	\$480.00	\$620.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11759_KITSM		
S125-DRV1062-5-09	1.062"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11834_KITGM	\$530.00	\$690.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11834_KITSM		
S125-DRV1125-5-09	1.125"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11835_KITGM	\$530.00	\$690.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11835_KITSM		
S125-DRV1188-5-09	1.188"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11836_KITGM	\$530.00	\$690.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11836_KITSM		
S150-DRV1250-5-09	1.250"	1.500"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11837_KITGM	\$530.00	\$690.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11837_KITSM		
S150-DRV1312-5-11	1.312"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11865_KITGM	\$590.00	\$770.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11865_KITSM		
S150-DRV1375-5-11	1.375"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11866_KITGM	\$590.00	\$770.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11866_KITSM		
S150-DRV1438-5-11	1.438"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11867_KITGM	\$590.00	\$770.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11867_KITSM		
S150-DRV1500-5-11	1.500"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11868_KITGM	\$590.00	\$770.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11868_KITSM		
S150-DRV1625-5-14	1.625"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12017_KITGM	\$630.00	\$820.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12017_KITSM		
S150-DRV1750-5-14	1.750"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12027_KITGM	\$630.00	\$820.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12027_KITSM		
S200-DRV1875-5-14	1.875"	2.000"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12037_KITGM	\$650.00	\$850.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12037_KITSM		
S200-DRV2000-5-17	2.000"	2.000"	SCMT170610-GM-I	PR1535	SCMT170608-GM-E	CA520D	THD12047_KITGM	\$680.00	\$880.00
			SCMT170610-SM-I	PR1535	SCMT170608-SM-E	PR1225	THD12047_KITSM		

■ Estimated Cutting Tolerance (5D)

Applicable Insert Information [Page 35](#)

DC	Estimated Cutting Tolerance (in)	DC	Estimated Cutting Tolerance (in)
Ø0.500" - Ø1.500"	+0.014 0	Ø1.625" - Ø2.000"	+0.016 0

These values are estimates.
These values may change due to
machine, workpiece, clamping power,
and cutting conditions

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MILLING KITS

TURNING KITS

DRILLING KITS

6D



DRV Magic Drill - 6D Kits

Includes (1) Drill and (10) Inside Inserts and (10) Outside Inserts

Choose Your Drill Size and 1 of 2 Insert Combinations

Product Info



Pick 1 Drill Body Part Number	Cutting Dia.	Shank Dia.	Pick 1 of 2 Combinations for Inside and Outside Inserts GM KIT for General Purpose / SM KIT for Stainless Steel				Kit Part Number (Use when Ordering)	\$USD Kit Price	\$CAD Kit Price
			Inside Edge Insert	Insert Grade	Outside Edge Insert	Insert Grade			
S075-DRV0500-6-03	0.500"	0.750"	LCMT030205-GM-I	PR1535	LCMT030203-GM-E	CA520D	THD11907_KITGM	\$470.00	\$610.00
			LCMT030205-SM-I	PR1535	LCMT030203-SM-E	PR1225	THD11907_KITSM		
S075-DRV0562-6-04	0.562"	0.750"	SCMT040209-GM-I	PR1535	SCMT040205-GM-E	CA520D	THD11820_KITGM	\$490.00	\$640.00
			SCMT040209-SM-I	PR1535	SCMT040205-SM-E	PR1225	THD11820_KITSM		
S075-DRV0625-6-05	0.625"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11710_KITGM	\$490.00	\$640.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11710_KITSM		
S075-DRV0656-6-05	0.656"	0.750"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11715_KITGM	\$490.00	\$640.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11715_KITSM		
S100-DRV0688-6-05	0.688"	1.000"	SCMT050210-GM-I	PR1535	SCMT050205-GM-E	CA520D	THD11720_KITGM	\$490.00	\$640.00
			SCMT050210-SM-I	PR1535	SCMT050205-SM-E	PR1225	THD11720_KITSM		
S100-DRV0750-6-06	0.750"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11725_KITGM	\$490.00	\$640.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11725_KITSM		
S100-DRV0812-6-06	0.812"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11735_KITGM	\$490.00	\$640.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11735_KITSM		
S100-DRV0875-6-06	0.875"	1.000"	SCMT060210-GM-I	PR1535	SCMT060205-GM-E	CA520D	THD11740_KITGM	\$490.00	\$640.00
			SCMT060210-SM-I	PR1535	SCMT060205-SM-E	PR1225	THD11740_KITSM		
S100-DRV0938-6-07	0.938"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11750_KITGM	\$520.00	\$680.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11750_KITSM		
S100-DRV0984-6-07	0.984"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11755_KITGM	\$520.00	\$680.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11755_KITSM		
S100-DRV1000-6-07	1.000"	1.000"	SCMT070310-GM-I	PR1535	SCMT070305-GM-E	CA520D	THD11760_KITGM	\$520.00	\$680.00
			SCMT070310-SM-I	PR1535	SCMT070305-SM-E	PR1225	THD11760_KITSM		
S125-DRV1062-6-09	1.062"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11838_KITGM	\$600.00	\$780.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11838_KITSM		
S125-DRV1125-6-09	1.125"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11839_KITGM	\$600.00	\$780.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11839_KITSM		
S125-DRV1188-6-09	1.188"	1.250"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11840_KITGM	\$600.00	\$780.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11840_KITSM		
S150-DRV1250-6-09	1.250"	1.500"	SCMT090410-GM-I	PR1535	SCMT090405-GM-E	CA520D	THD11841_KITGM	\$600.00	\$780.00
			SCMT090410-SM-I	PR1535	SCMT090405-SM-E	PR1225	THD11841_KITSM		
S150-DRV1312-6-11	1.312"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11869_KITGM	\$670.00	\$870.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11869_KITSM		
S150-DRV1375-6-11	1.375"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11870_KITGM	\$670.00	\$870.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11870_KITSM		
S150-DRV1438-6-11	1.438"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11871_KITGM	\$670.00	\$870.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11871_KITSM		
S150-DRV1500-6-11	1.500"	1.500"	SCMT110410-GM-I	PR1535	SCMT110406-GM-E	CA520D	THD11872_KITGM	\$670.00	\$870.00
			SCMT110410-SM-I	PR1535	SCMT110406-SM-E	PR1225	THD11872_KITSM		
S150-DRV1625-6-14	1.625"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12018_KITGM	\$730.00	\$950.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12018_KITSM		
S150-DRV1750-6-14	1.750"	1.500"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12028_KITGM	\$730.00	\$950.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12028_KITSM		
S200-DRV1875-6-14	1.875"	2.000"	SCMT140510-GM-I	PR1535	SCMT140508-GM-E	CA520D	THD12038_KITGM	\$760.00	\$990.00
			SCMT140510-SM-I	PR1535	SCMT140508-SM-E	PR1225	THD12038_KITSM		
S200-DRV2000-6-17	2.000"	2.000"	SCMT170610-GM-I	PR1535	SCMT170608-GM-E	CA520D	THD12048_KITGM	\$790.00	\$1,030.00
			SCMT170610-SM-I	PR1535	SCMT170608-SM-E	PR1225	THD12048_KITSM		

■ Estimated Cutting Tolerance (6D)

Applicable Insert Information Page 35

DC	Estimated Cutting Tolerance (in)	DC	Estimated Cutting Tolerance (in)
Ø0.500" - Ø1.500"	+0.018 0	Ø1.625" - Ø2.000"	+0.020 0

These values are estimates.
These values may change due to
machine, workpiece, clamping power,
and cutting conditions

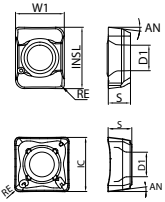
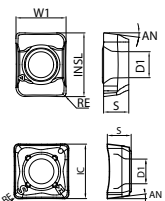
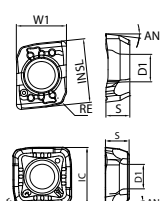
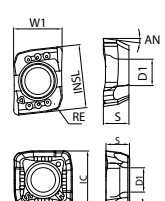
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DRV Inserts

Choose (10) Inserts for the Outside Edge and (10) Inserts for the Inside Edge

Usage Classification										
★ : 1st Recommendation (High Speed and Highly Efficient Machining) ☆ : 2nd Recommendation (Stable Machining Oriented)				P	Carbon Steel / Alloy Steel			☆	★	★
					Tool Steel			☆	★	★
				M	Stainless Steel			☆	★	★
				K	Cast Iron			☆		★
Insert	Insert Pocket	Part Number	Dimensions (in)				Angle	MEGACOAT	CVD Coated Carbide	MEGACOAT NANO
			IC W1/INSL	S	D1	RE		PR1225	CA520D	PR1535
 General Purpose	 Outer Edge	LCMT 030203-GM-E	0.173/0.218	0.079	0.091	0.012	7°		●	
		SCMT 040205-GM-E	0.189	0.087	0.094	0.020			●	
		050205-GM-E	0.207	0.102	0.094	0.020			●	
		060205-GM-E	0.252	0.110	0.114	0.020			●	
		070305-GM-E	0.301	0.126	0.138	0.020			●	
		090405-GM-E	0.358	0.161	0.157	0.020			●	
		110406-GM-E	0.433	0.177	0.181	0.024			●	
		140508-GM-E	0.543	0.197	0.224	0.031			●	
		170608-GM-E	0.661	0.259	0.272	0.031			●	
		LCMT 030203-SM-E	0.173/0.218	0.079	0.091	0.012		●		
 Stainless Steel	 Outer Edge	SCMT 040205-SM-E	0.189	0.087	0.094	0.020	7°	●		
		050205-SM-E	0.207	0.102	0.094	0.020		●		
		060205-SM-E	0.252	0.110	0.114	0.020		●		
		070305-SM-E	0.301	0.126	0.138	0.020		●		
		090405-SM-E	0.358	0.161	0.157	0.020		●		
		110406-SM-E	0.433	0.177	0.181	0.024		●		
		140508-SM-E	0.543	0.197	0.224	0.031		●		
		170608-SM-E	0.661	0.259	0.272	0.031		●		
		LCMT 030205-GM-I	0.164/0.221	0.079	0.091	0.020				●
		SCMT 040209-GM-I	0.197	0.087	0.094	0.035				●
 General Purpose	 Inner Edge	050210-GM-I	0.224	0.102	0.094	0.039	7°			●
		060210-GM-I	0.272	0.110	0.114	0.039				●
		070310-GM-I	0.323	0.126	0.138	0.039				●
		090410-GM-I	0.386	0.161	0.157	0.039				●
		110410-GM-I	0.469	0.177	0.181	0.039				●
		140510-GM-I	0.587	0.197	0.224	0.039				●
		170610-GM-I	0.705	0.259	0.272	0.039				●
		LCMT 030205-SM-I	0.164/0.221	0.079	0.091	0.020				●
		SCMT 040209-SM-I	0.197	0.087	0.094	0.035				●
		050210-SM-I	0.224	0.102	0.094	0.039				●
 Stainless Steel	 Inner Edge	060210-SM-I	0.272	0.110	0.114	0.039	7°			●
		070310-SM-I	0.323	0.126	0.138	0.039				●
		090410-SM-I	0.386	0.161	0.157	0.039				●
		110410-SM-I	0.469	0.177	0.181	0.039				●
		140510-SM-I	0.587	0.197	0.224	0.039				●
		170610-SM-I	0.705	0.259	0.272	0.039				●
		LCMT 030205-SM-I	0.164/0.221	0.079	0.091	0.020				●
		SCMT 040209-SM-I	0.197	0.087	0.094	0.035				●
		050210-SM-I	0.224	0.102	0.094	0.039				●
		060210-SM-I	0.272	0.110	0.114	0.039				●

-E : Outer Edge Insert -I : Inner Edge Insert
 *LCMT03... is a 2-edge insert

● : Standard Item

Insert Grade Selection Guide

Select CVD for the outer edge when performing high speed and high efficiency drilling and for abrasion resistance and long tool life.

Select PVD MEGACOAT for the outer edge for stable machining and a better surface finish.

PVD MEGACOAT is recommended for the outer edge if chattering occurs, machining with lathe, or if cutting conditions cannot be increased to the recommended speed for CVD.

1st Recommendation

(High Speed and High Efficiency Machining)

Outer Edge : CVD(CA520D)

Inner Edge : PVD (PR1535)



Stable Machining Oriented

(1st Recommendation for Lathe Machining)

Outer Edge : PVD (PR1225)

Inner Edge : PVD (PR1535)



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