

WINSPEED™
ADVANCED MACHINING

FOCUS

PRODUCTS



Member IMC Group
Ingersoll
Cutting Tools



Introducing

WINSFEED™

ADVANCED MACHINING

A groundbreaking product launch featuring an extensive range of over 30 cutting-edge metal-working cutting tool product families developed to increase productivity. This innovative collection of products revolutionizes hi-speed and hi-feed machining in a diverse range of applications using advanced engineering and metal removal concepts. From milling to hole-making to turning and grooving, each product family is meticulously crafted to enhance efficiency and accuracy in metal fabrication processes. Embrace precision,

reliability, and versatility with this comprehensive suite of metal-cutting solutions, setting new standards for excellence in the field.

This focus brochure provides the reader with a brief overview of each WinSFeed product. For additional information, scan the respective QR code located on each page.



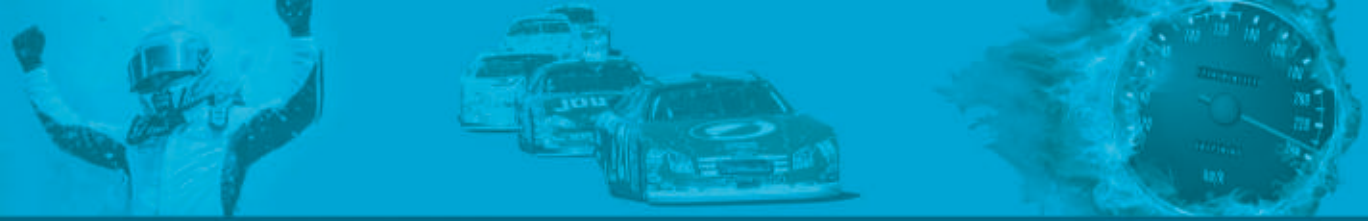


Table of Contents

Milling

MAXSPEED ™ CGM 8 mm.	<u>4</u>
MAXSPEED ™ Slotter.	<u>5</u>
NUMAX I LOCK ™	<u>6</u>
GOLDSPEED ™	<u>7</u>
HIPOSWIN ™	<u>8</u>
DIFEEDWIN ™	<u>9</u>
DIPOSQUAD ™	<u>10</u>
DIPOSQUAD F ™	<u>11</u>
CERASPEED ™	<u>12</u>
DIPOS PRO ™	<u>13</u>
FINEMOLD+ ™	<u>14</u>
I ABSORBER ™	<u>15</u>

Holemaking

TWISTSPEED ™	<u>16</u>
GOLD TWIST ™	<u>17</u>
WIN TWIST ™ TopOn	<u>18</u>
WIN TWIST ™ ChipSurfer.	<u>19</u>
SPADE TWIST ™	<u>20</u>
GOLD TWIN ™	<u>21</u>
SOLID DRILL ™	<u>22</u>
QWIKREAM ™	<u>23</u>

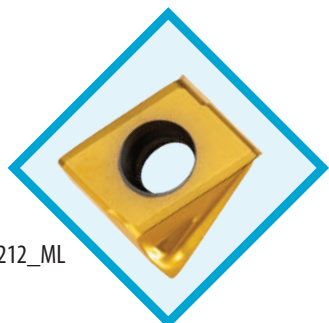
Turning

WINTURN ™	<u>24</u>
FLEXTURN ™	<u>25</u>
T MODULAR ™	<u>26</u>
T ABSORBER ™	<u>27</u>
MULTITURN ™	<u>28</u>

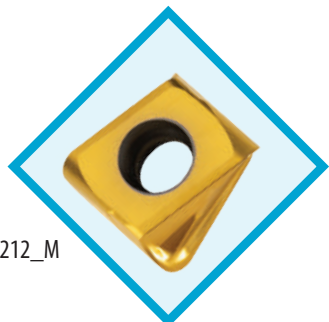
Parting & Grooving

WINCUT ™	<u>29</u>
WIN GROOVE ™	<u>30</u>
GOLD FLEX ™	<u>31</u>
FACE FLEX ™	<u>32</u>
T CLAMP V T ™	<u>33</u>
T CLAMP ™	<u>34</u>

New MaxSFeed 8 mm Insert Size CGM212 and Dedicated Cutters



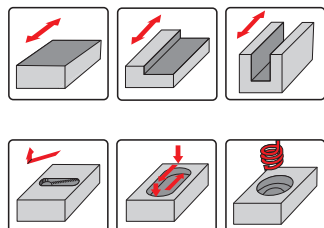
CGM212_ML



CGM212_M



1 Various Applications



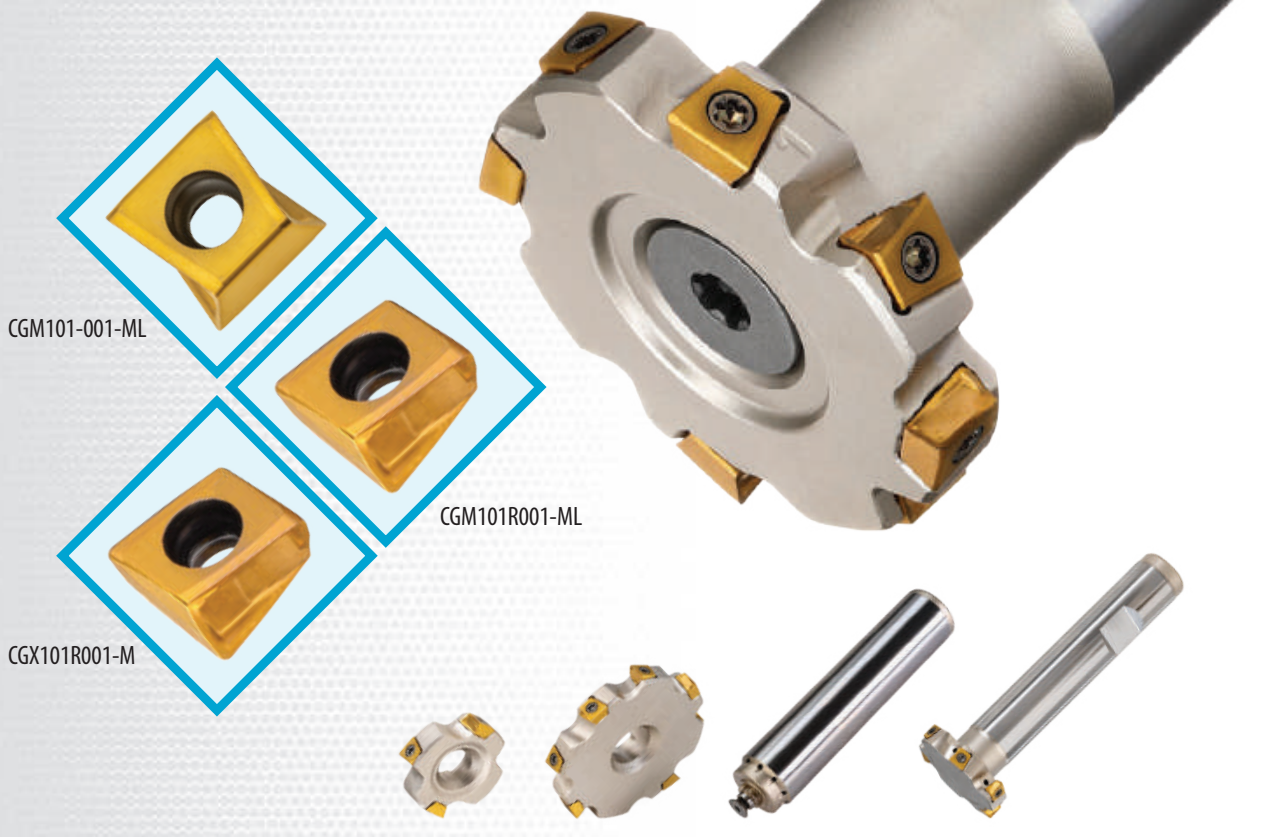
2 Exact 90° Shouldering



3 Dovetailed Insert Seating for Increased Edge-Life

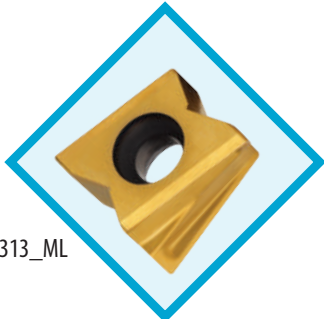


Economical, High Productivity Insert – Exchangeable Milling and Slotting Heads

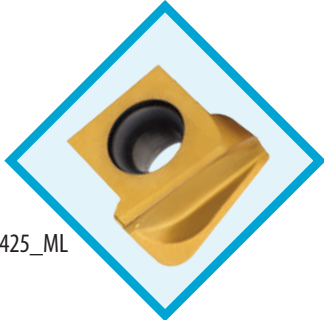


1 No Set-Up Time	2 High Productivity with More Teeth	3 Various Applications	4 Reinforced Cutting Edge

End Mills and Shell Mills with New, Smaller Size Interlocking Inserts for Smooth/Reliable Operation



IPM313_ML



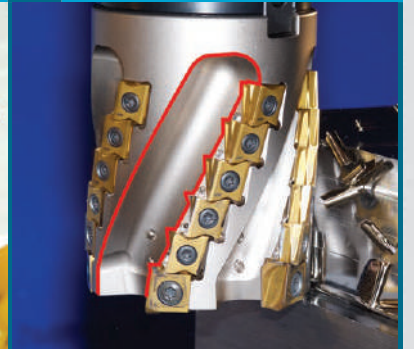
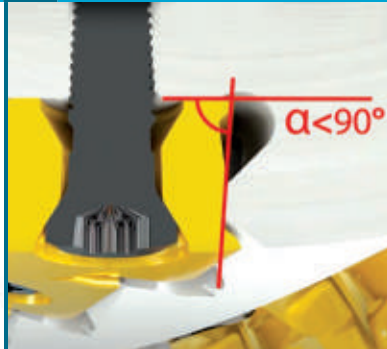
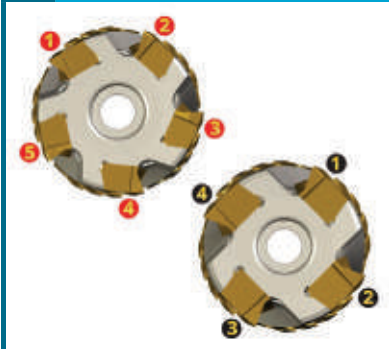
IPM425_ML



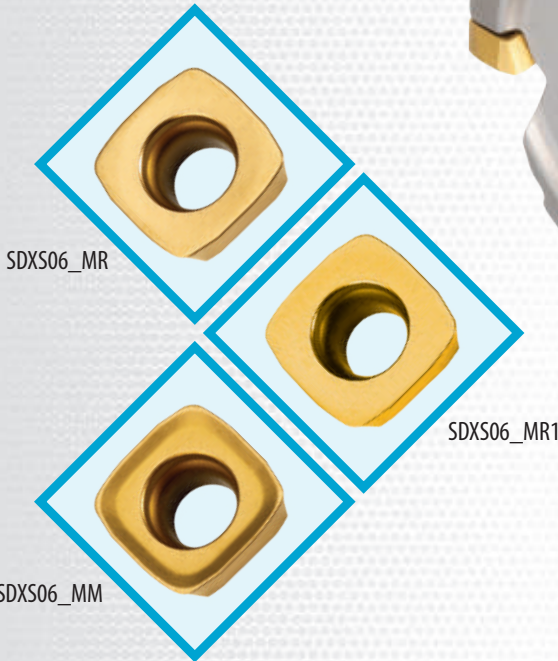
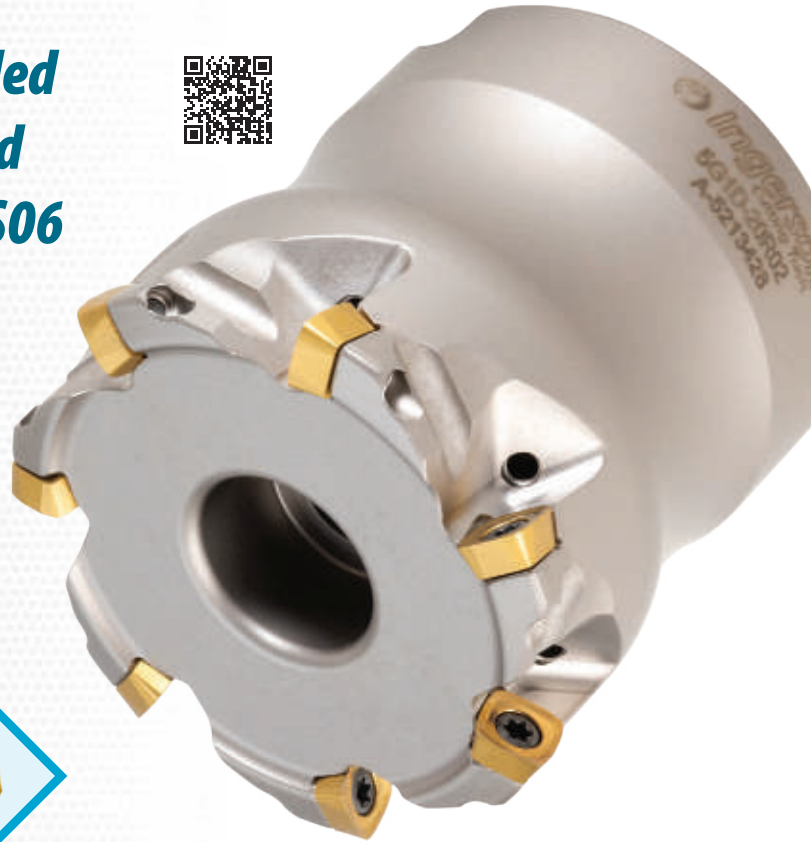
1 1 Additional Flute (vs. Series 2XJ3J)

2 Dovetailed Insert Mounting for Strength & Reliability

3 Open Chip Gullet for Easy Chip Evacuation



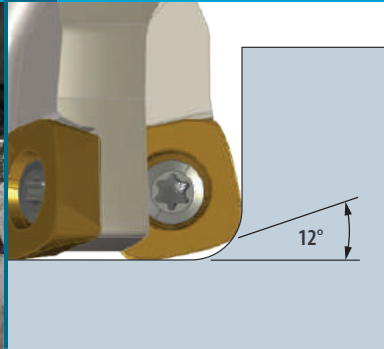
Ingersoll has Expanded the Proven GoldSFeed Line with a New SDXS06 Insert and Related Cutters



1 Increased Speeds and Feeds Improving Productivity



2 12° Lead Angle to Produce 5x Feed Rates



3 Inserts Include Multiple Corner Configurations



MR Reinforced Cutting Edge

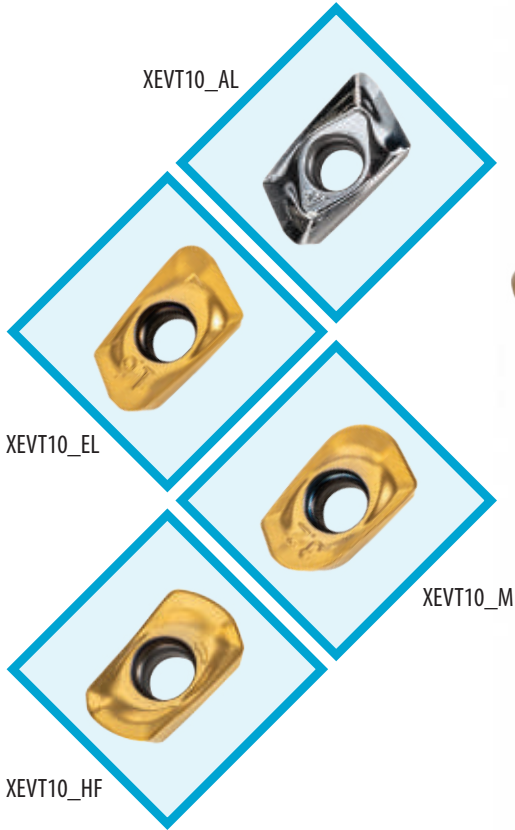
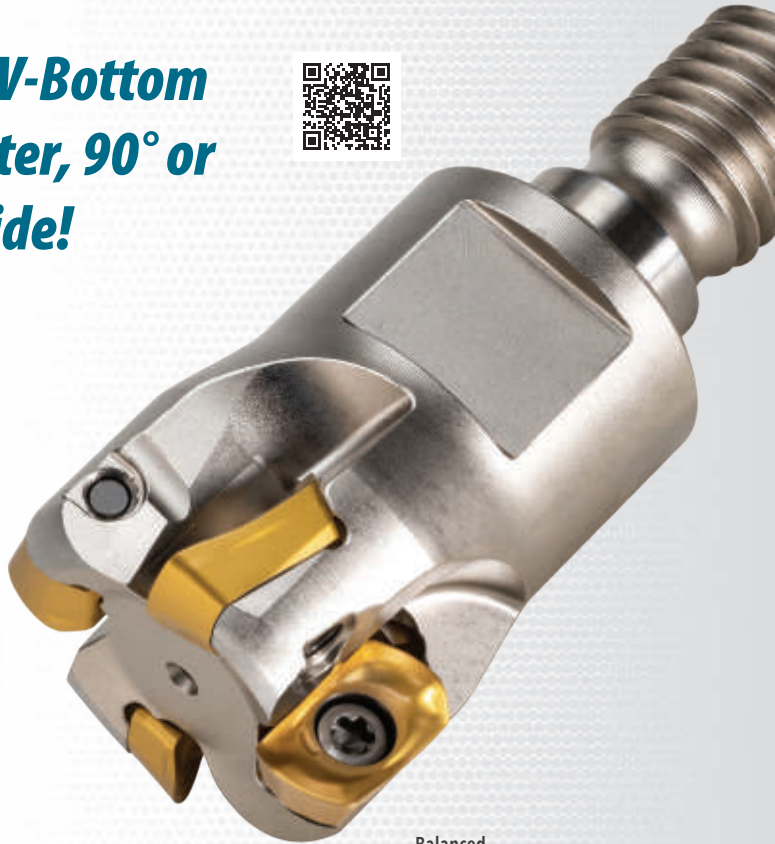


MM Positive Geometry

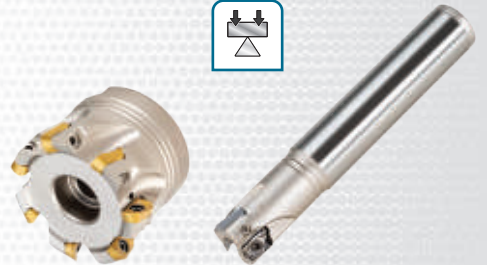


MR1 Keen Edge

Aero-Centric Mill with V-Bottom Insert; Aluminum Router, 90° or Hi-Feed Mill – You Decide!



Balanced

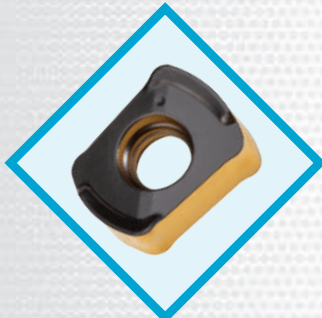


1 Secure Insert Clamping	2 High Ramping Angle	3 Super High Positive Rake Angle	4 Various Applications
<p>"V" Shaped Bottom</p> <p>Dovetail</p>			

Next-Gen, Hi-Feed Performance with New V-Bottom Clamping

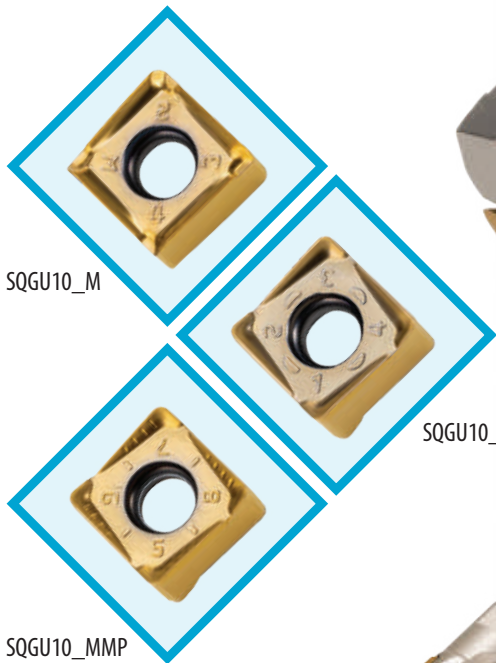
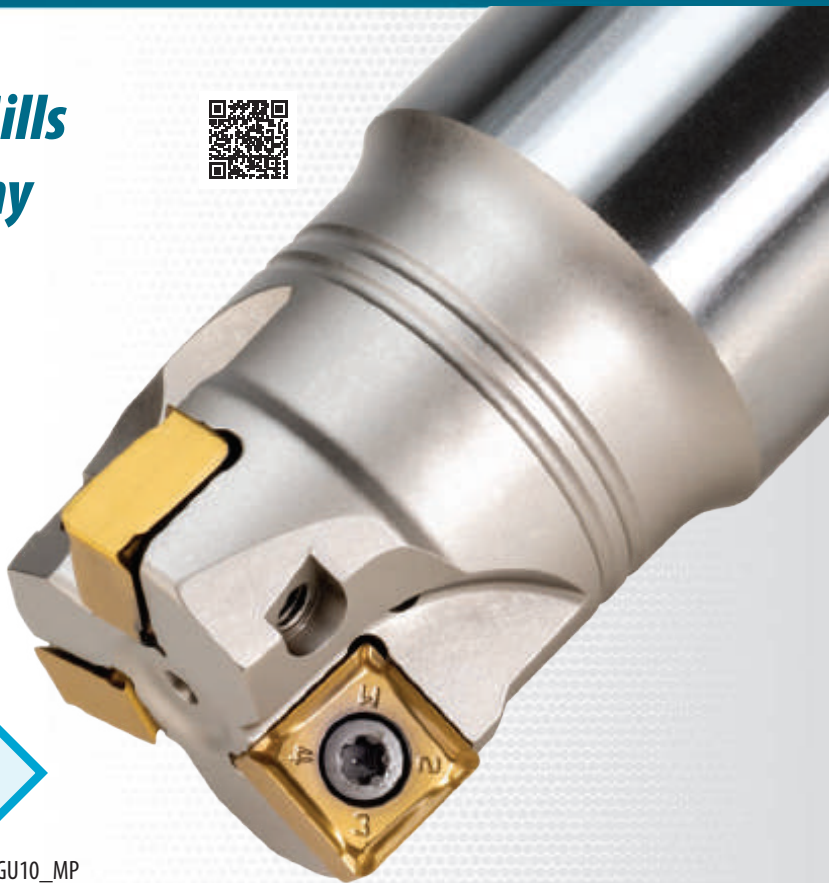


UNLV06



1 High Ramping Angle	2 "V" Shape Bottom Design	3 Various Applications	4 High Positive Rake Angle

True 90° Shoulder Mills with 8-Edge Economy



SQGU10_M

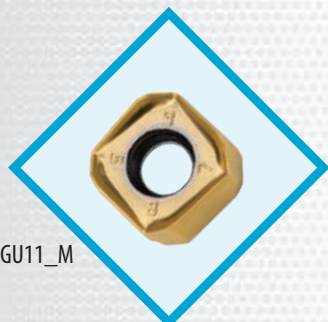
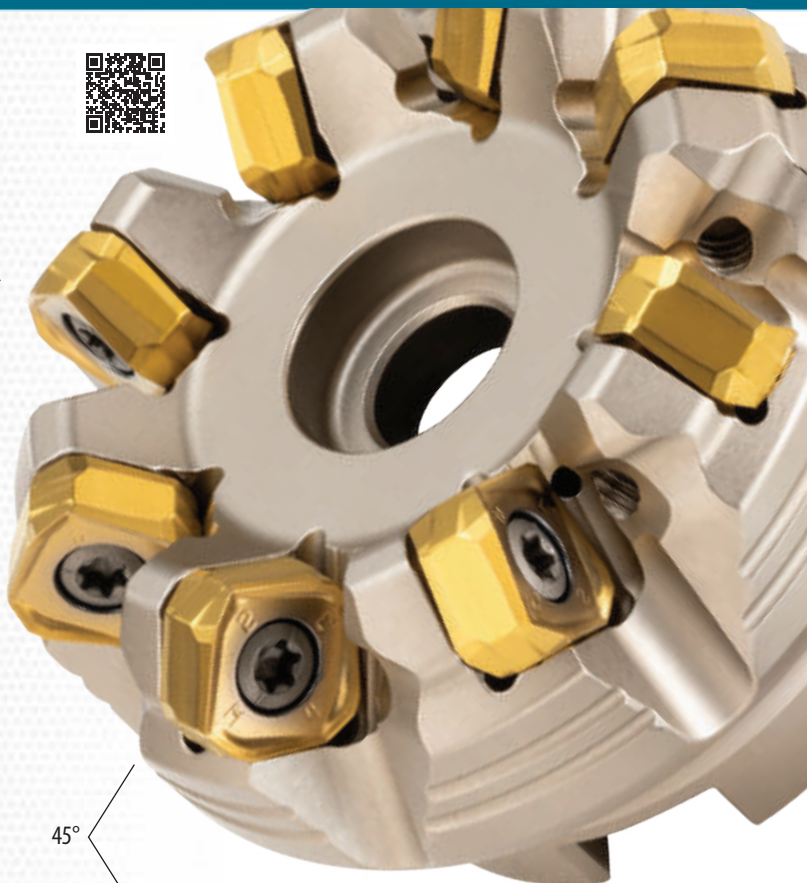
SQGU10_MP

SQGU10_MMP

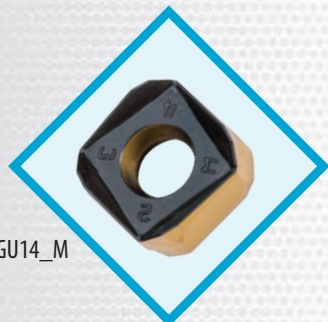


<p>1 Integrated Wiper for 32-63 Ra Finishes</p>	<p>2 Reinforced Edges & High Positive Rake</p>	<p>3 Minimal Mismatch on Multi-Step Walls</p>	<p>4 High Productivity with More Teeth Per Diameter</p>
<p>Wiper</p>			

45° and Hi-Feed Face Mills that Share the Same High-Strength, 8-Edge Insert



SQGU11_M



SQGU14_M

45°

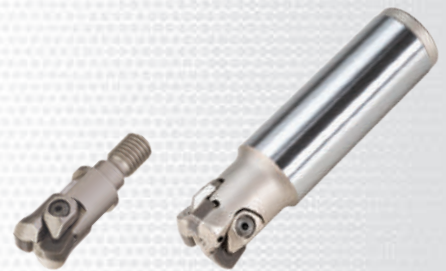
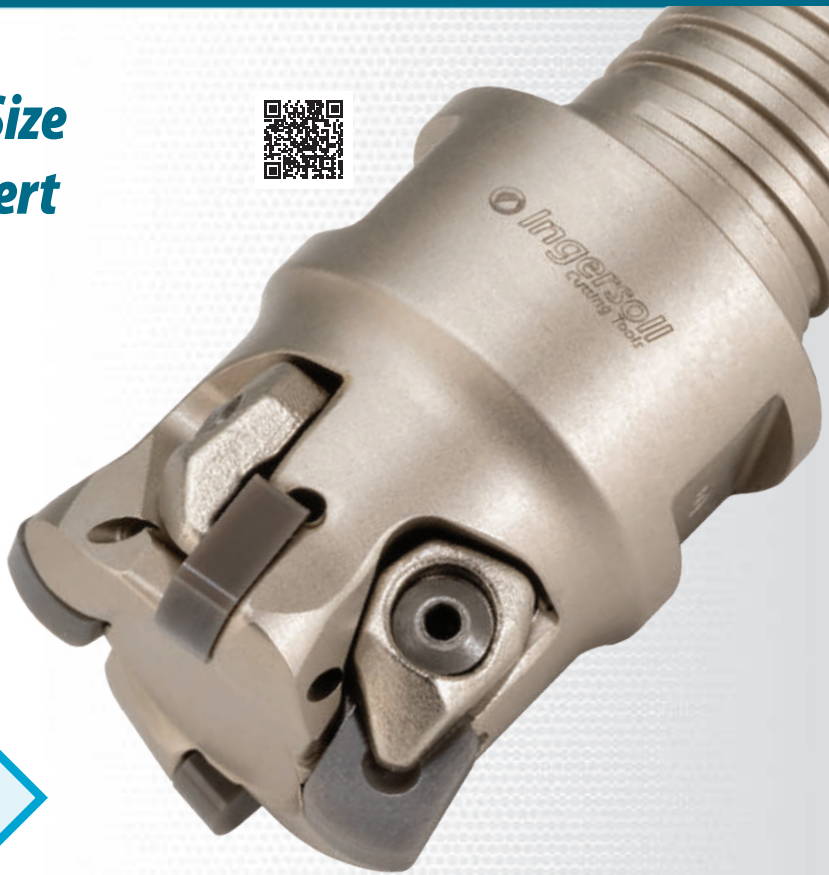


20°



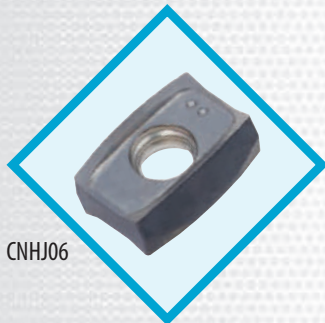
1 Single Insert Populates 45° and 20° Cutters	2 Strengthened Body and Fine Pitch	3 Excellent Chip Evacuation	4 Reinforced Cutting Edge

New 6 mm Smaller Size Ceramic Hi-Feed Insert for Exceptional Productivity

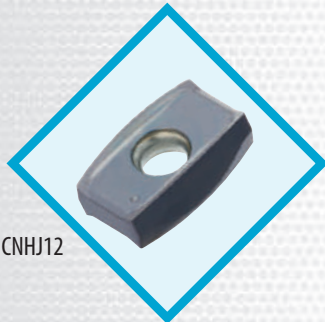


1 Ultra Hi-Speed and High Feed	2 Strong Double-Sided Insert	3 Rigid Clamping	4 Various Applications
	<p>SiAlON Grade IN76N</p>		

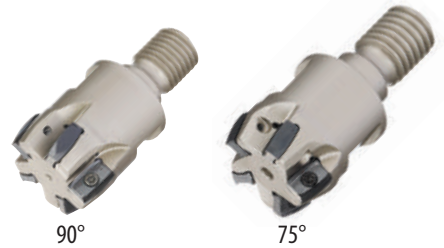
High Productivity Profile Milling with Indexable Barrel Milling Technology



CNHJ06



CNHJ12

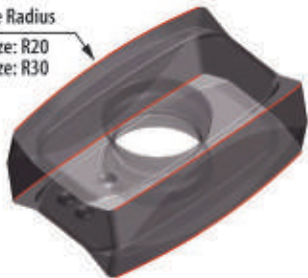


90°

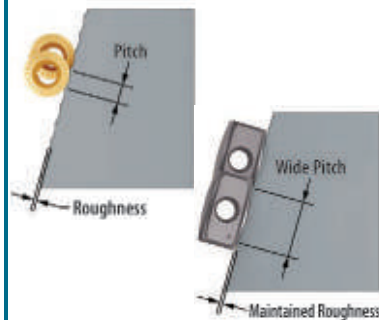
75°

1 Double-Sided Insert Technology

Large Radius
06 Size: R20
12 Size: R30



2 Significant Cycle Time Reductions



3 Same Insert Fits 90°, 75° and 45° Cutters

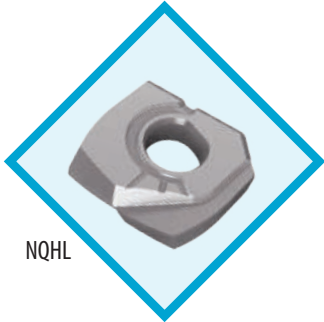


90° = Ø12-32 mm
75° = Ø16-32 mm
45° = Ø16-32 mm

High Productivity Finishing Lens and Chamfer Barrel Inserts



NQHB



NQHL



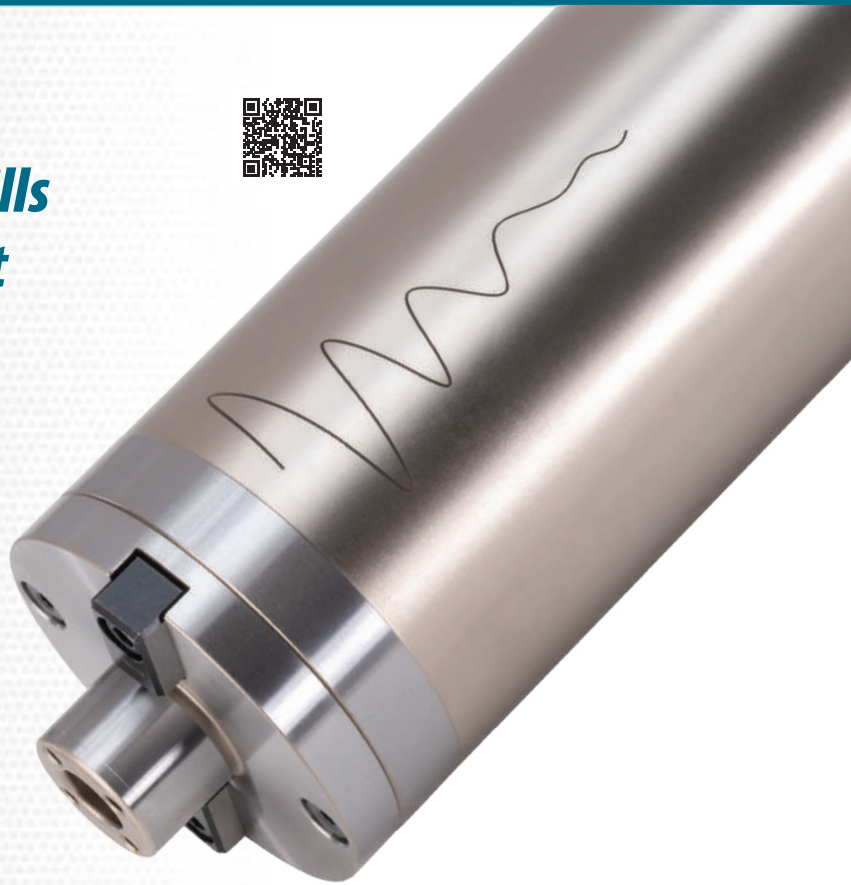
1	Maximum Pitch Distance	2	Two Types of Applications	3	Lens and Barrel Combination	4	Compatible Holders 12A5, 12A8, 12A9
	<p>Round Insert Pitch=x1</p> <p>NQHB Pitch=x3</p>						<p>Diameter Range: Ø8-Ø30</p>

! ABSORBER™

Modular Damping System for Shell Mills with Strong Innofit Connection



Fully Assembled



1 Damping Unit Reduces Vibration



2 3-Point InnoFit Connection

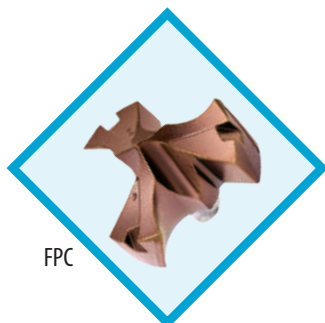


3 Long Reach Applications



Suitable for 2"–6" Cutter Diameters

New 8xD Bodies, Diameter Range Expansion and Flat Bottom Tips



FPC



FPF



3xD

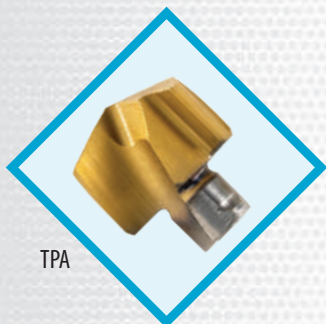
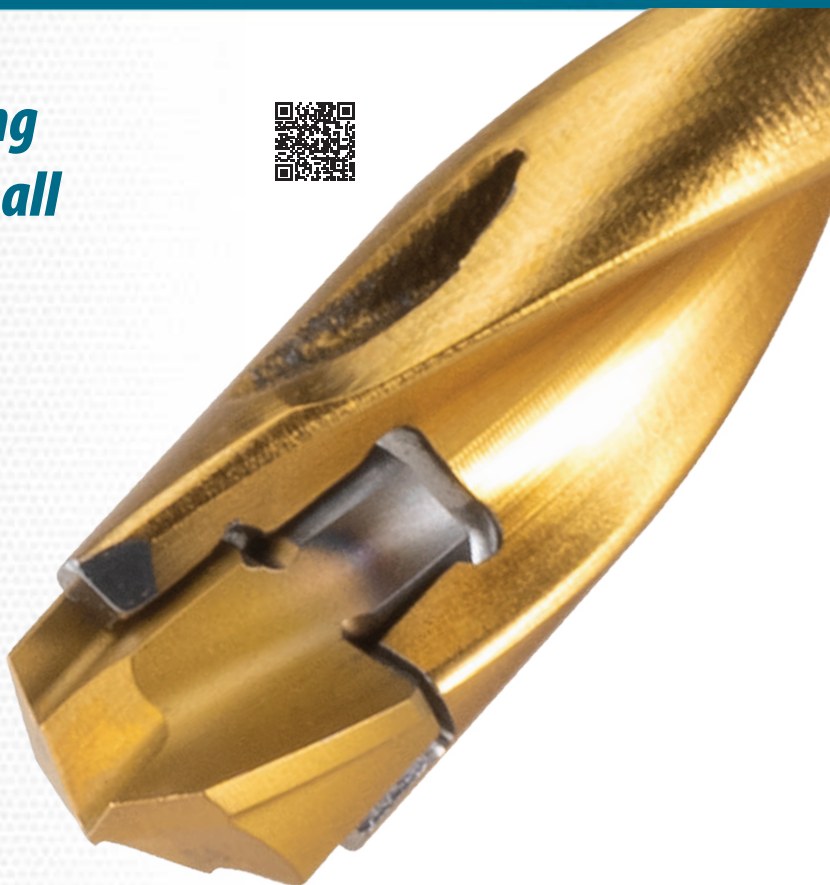
5xD

8xD

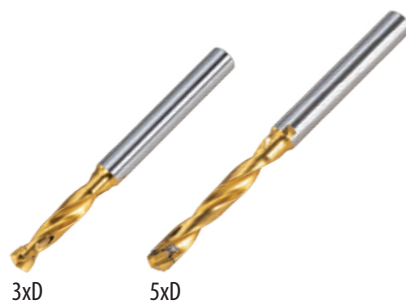
1 High Productivity	2 Premium Hole Quality	3 Flat Bottom Hole	4 Quick Change System

GOLD TWIST™

Quick Change Drilling for Diameters as Small as 4 mm



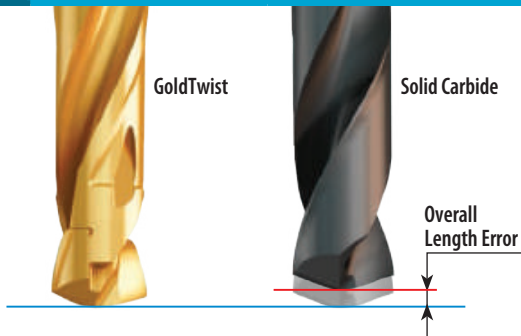
TPA



3xD

5xD

1 Eliminates Regrind Offsets



GoldTwist

Solid Carbide

Overall Length Error

2 Reduced Set-Up Time



3 Up to 5xD

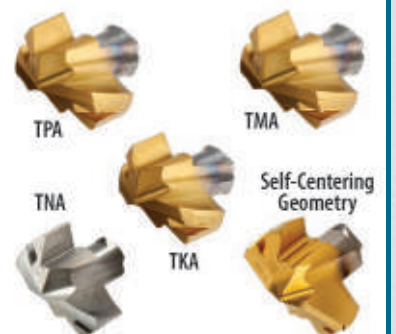
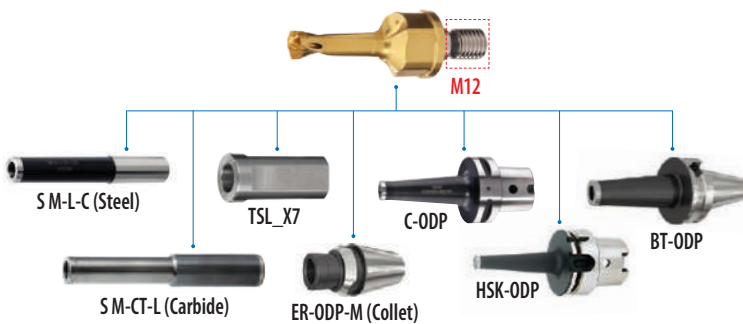


Modular Quick Change Drilling with TopOn (M12) Connection



1 Modular Design with Interchangeable Tips for Reduced Tool Change and Set-Up Times

2 Compatible with Existing GoldTwist Tips



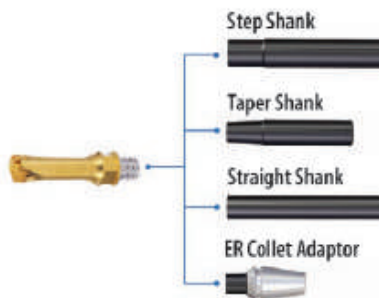
Modular Quick Change Drilling with ChipSurfer Connection



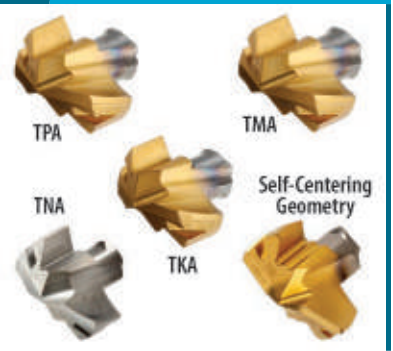
1 Interchangeable Tips for Reduced Tool Change and Set-Up Times



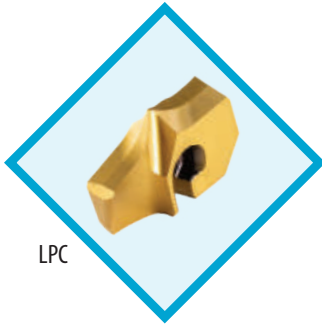
2 Compatible with T06 & T08 ChipSurfer Holders



3 Compatible with Existing GoldTwist Tips



Self-Centering Geometry for Large Diameter Applications



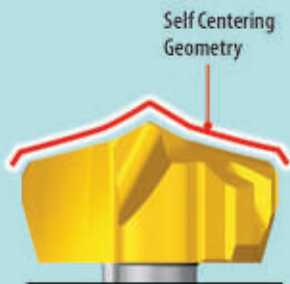
LPC

<p>1 Self-Centering Geometry Eliminates the Need for Piloting</p>	<p>2 Can Be Used with Existing SpadeTwist Bodies</p>	<p>3 Unique Rigid, Quick Change Clamping System</p>
<p>Self-Centering Design</p>	<p>LPC-NEW LPA LPF</p>	<p>Asymmetrical Seat Design Error Proof</p>

Unique Modular Drilling System for Wide Range of Diameters and Depths



1 Self-Centering Geometry



2 Phenomenal Finishes

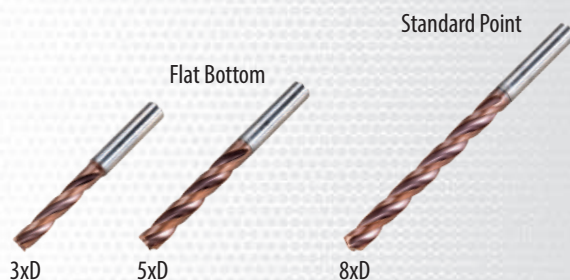
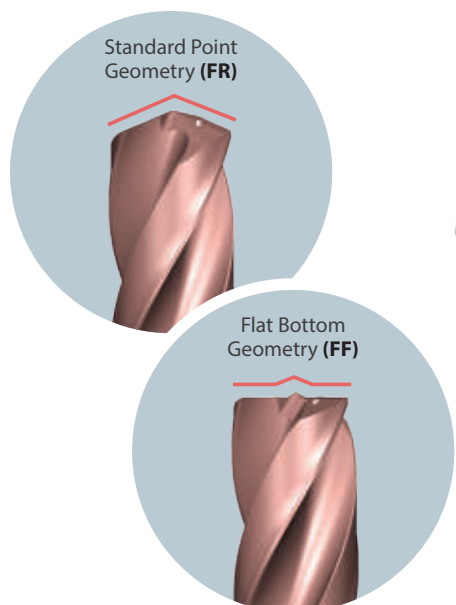
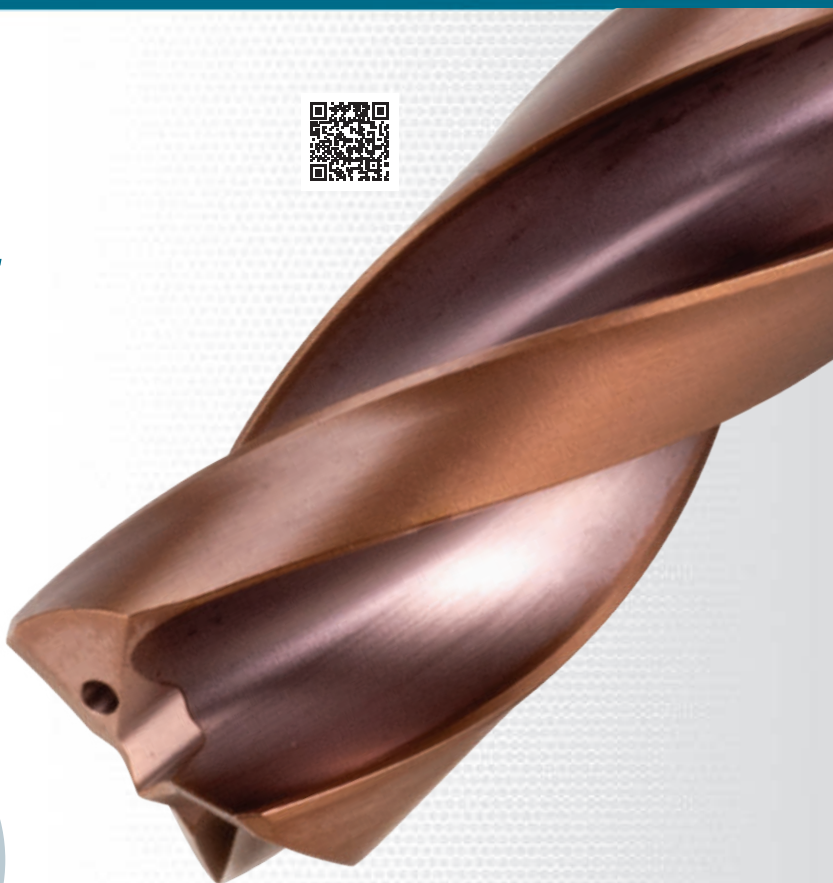
SPGX-WG Insert Wiper Area



3 2-Effective Insert Design

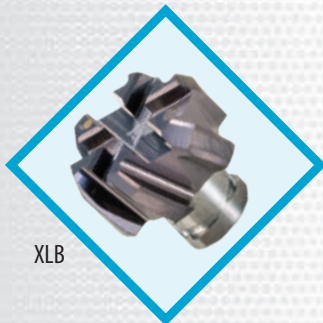


3-Flute Solid Drills Expanded to 8xD Depth and New Flat Bottom Geometry



1 3-Flute Design Allows 50% Higher Feed Rates	2 3 Coolant Outlet Holes	3 Self-Centering Drill Eliminates Pilot Holes

Replaceable Head Carbide Reamers for Diameters as Small as 8 mm



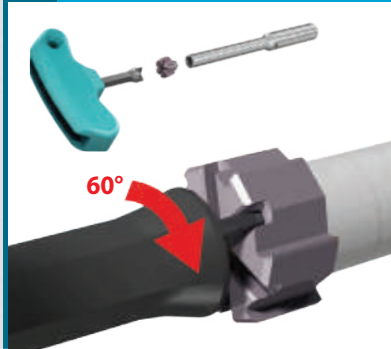
XLB



XSA



1 Quick and Innovative Clamping System

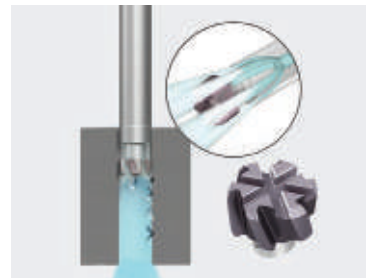


2 Two Head Types and Coolant Flows

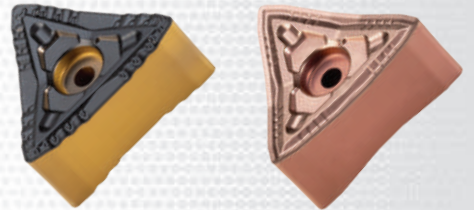
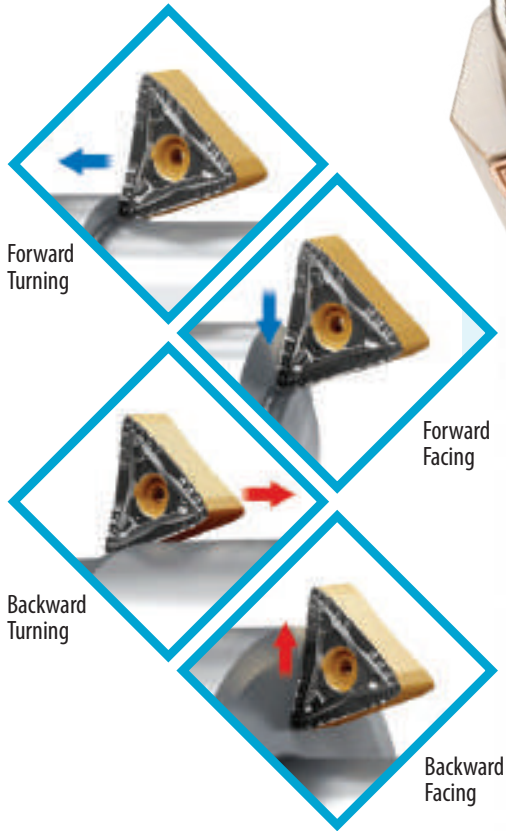
XSA: For Blind Hole



XLB: For Through Hole



6-Cutting-Edge Inserts & Holders for All-Directional & Hi-Feed Turning



1	Positive Cutting Edge	2	Unique Rigid Clamping System	3	6 Cutting Edges	4	High-Pressure Coolant Supply
<p>0°</p> <p>TNMV Insert</p>							

Time-Saving Modular Head and Holder System for Swiss Machines



Large Variety of
Modular Heads



1 Easy Replacement	2 High-Pressure Coolant (Top & Bottom)	3 Rigid Clamping and Good Repeatability	4 Reduced Downtime
		<ol style="list-style-type: none"> 1 Screw Clamping 2 Tapered Face Contact 3 Rigid Clamping Between the Shanks and the Heads 	<p>Insert Changing Time -77%</p> <p>General Holder FLEXTURN</p>

External and Internal Modular Shanks and New Y-Axis Heads



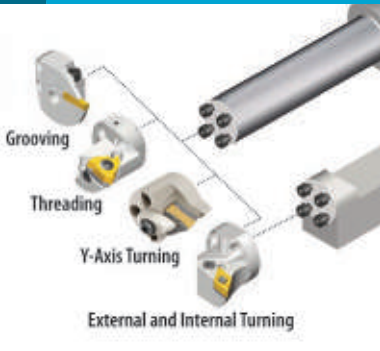
TNMV
Y-Axis



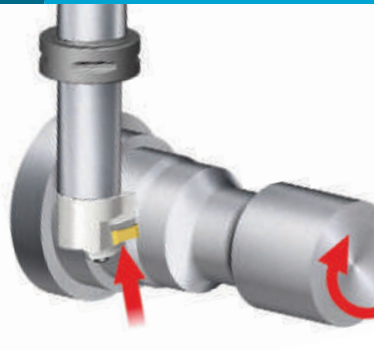
ZNMV
Y-Axis



1 Multiple Heads for Multiple Applications



2 Parallel Cutting Force to the Holder Equals Stable Machining



3 New Y-Axis Heads Compatible with the TNMV and ZNMV Insert Lines



TABSORBER™

New 80 mm Anti-Vibration Boring Bars with Exchangeable Heads



Shank Length:
-Steel: 7xD, 10xD
-Carbide: 12xD, 14xD



DTC-SDUCR/L

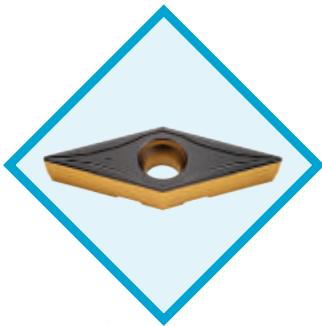
DTC-SVLCR/L

DTC-TDUNR/L

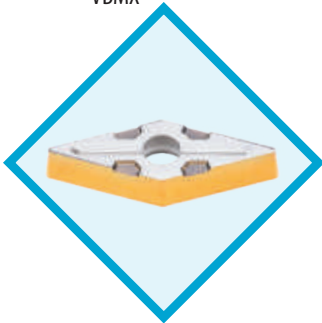


1 Vibration-Free Boring Bar	2 Various Head Types	3 Square Shank Holder Head Available
<p>Damping System</p> <p>Coolant Thru</p>		

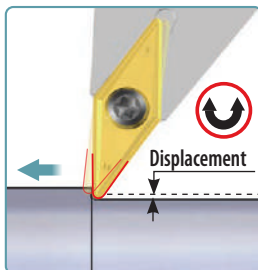
VBMX Insert and Holders with Rigid Clamping to Minimize Insert Movement



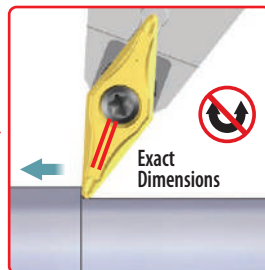
VBMX



1 High Stability and Tolerances



ISO



MULTITURN

2 Powerful Clamping Design



Single-Ended Inserts and Rigid Holders for Parting and Deep Grooving with Unique Adapters



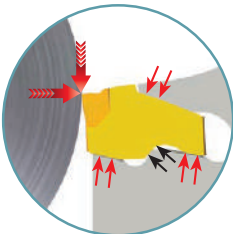
SFC



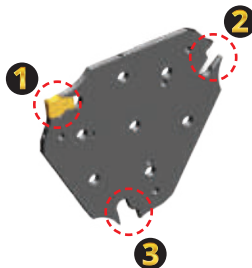
SFJ



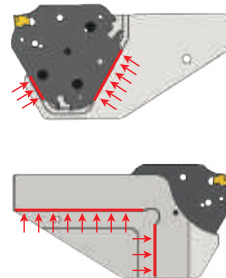
1 Reinforced and Robust



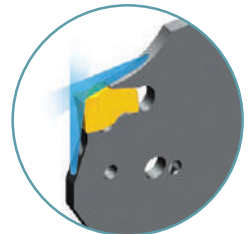
2 Economical Blade



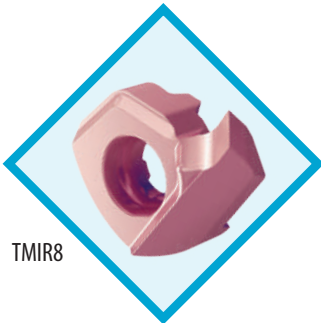
3 Extra Stability



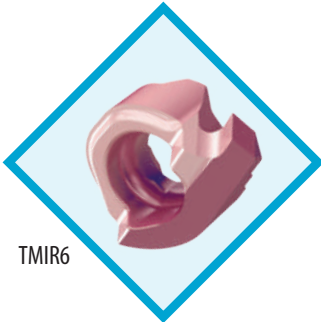
4 High-Pressure Coolant



Miniature Size Inserts and Holders for Shallow Internal Grooving



TMIR8

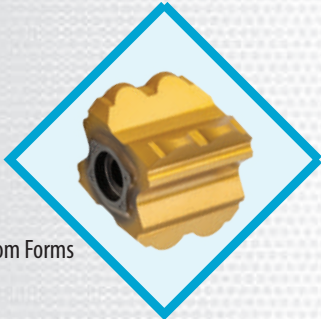
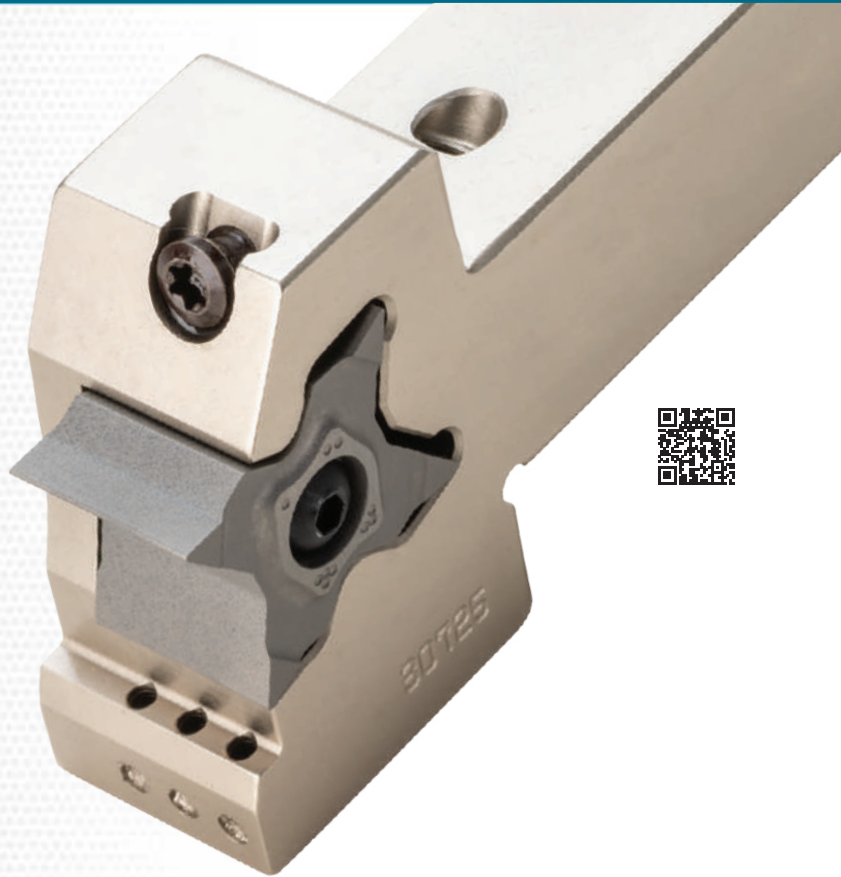


TMIR6

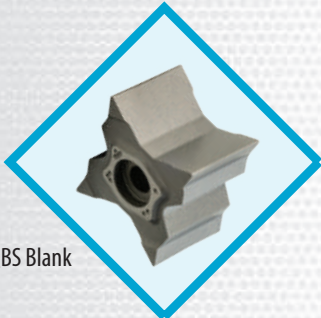


1 For Miniature Industry	2 Unique Clamping Structure	3 Enough Space for Chip Evacuation	4 Internal Coolant
		<p>Produces Flat Bottom Groove</p>	

Extra Wide Insert Blanks for Special Profile Grooving Applications



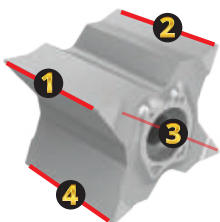
Custom Forms



TQBS Blank



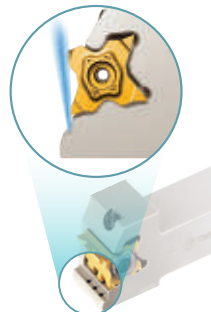
1 4 Cutting Edges



2 For Special Form Profiles up to 20 mm



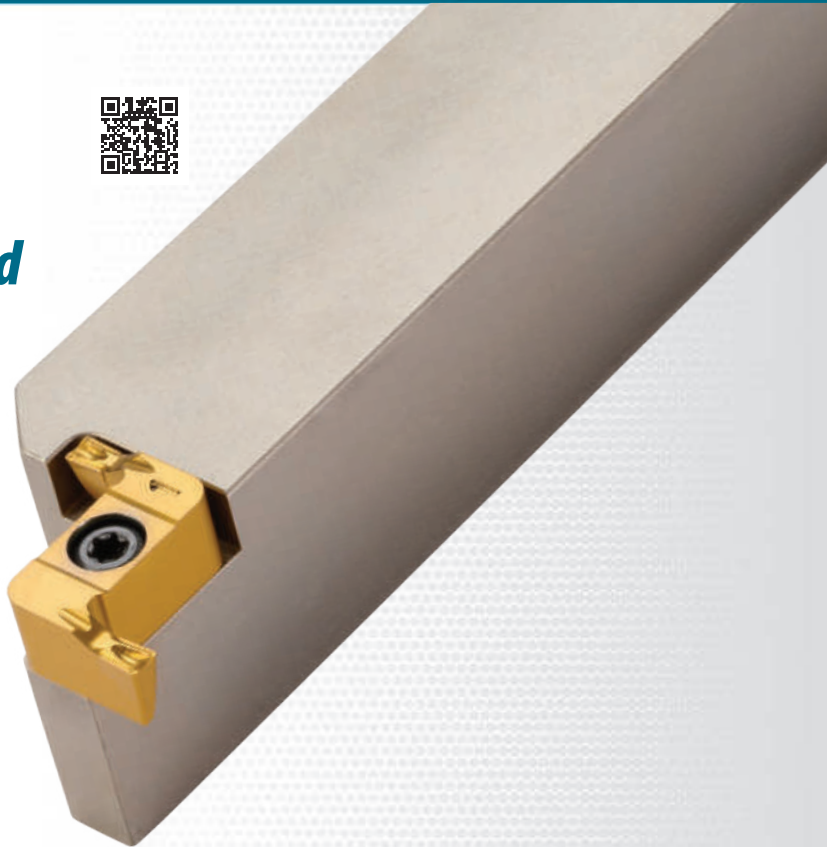
3 High-Pressure Coolant



4 Secure and Unique Clamping Structure



Shallow Face and External Grooving Insert Line Expanded to 2 mm Width



TDFX



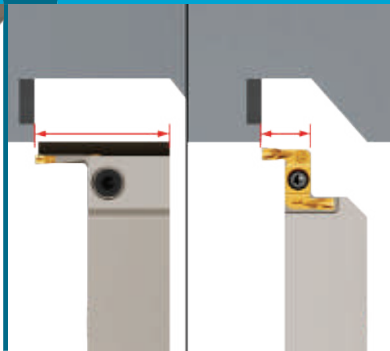
TDGX



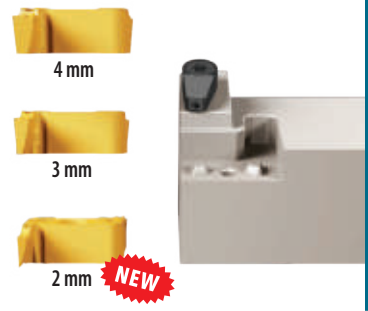
1 Inserts Feature Unique Bottom Face for Secure Clamping



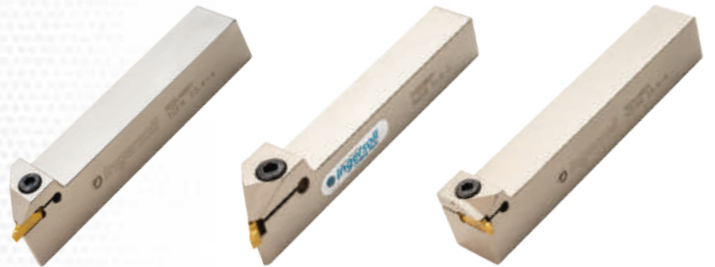
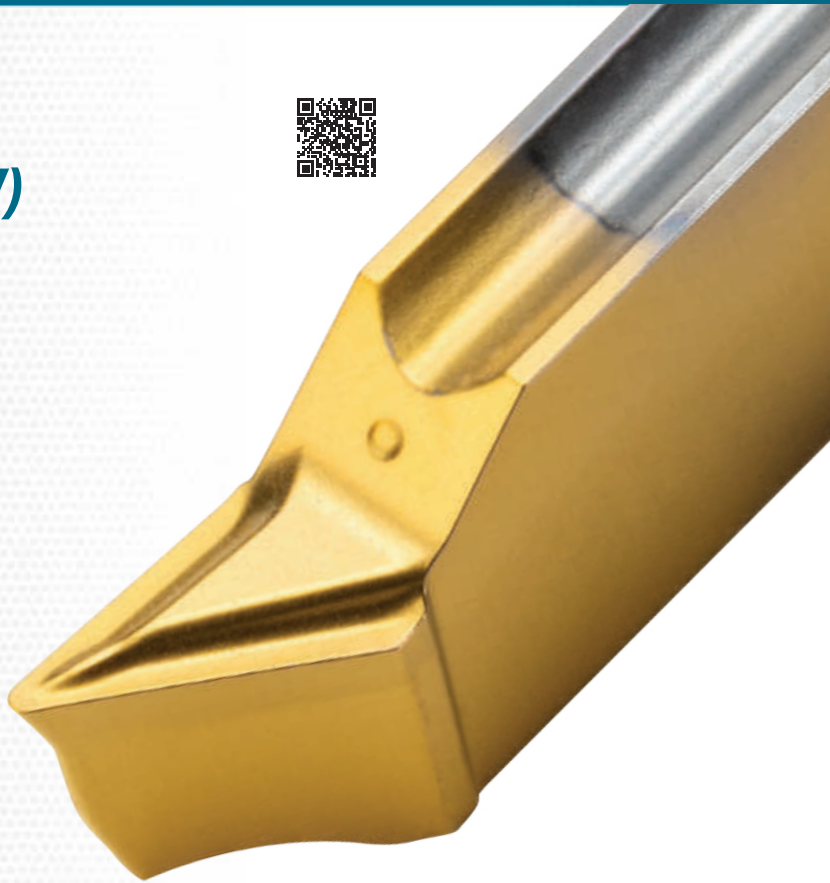
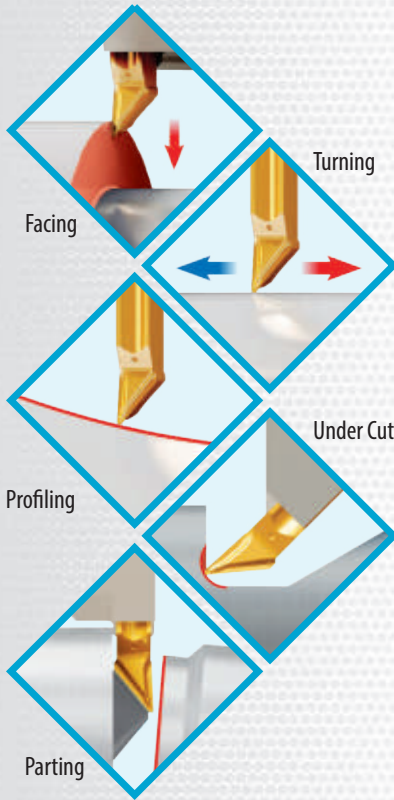
2 Designed for Facing and Face-Grooving in Confined Spaces



3 Various Insert Widths Fit in the Same Holder



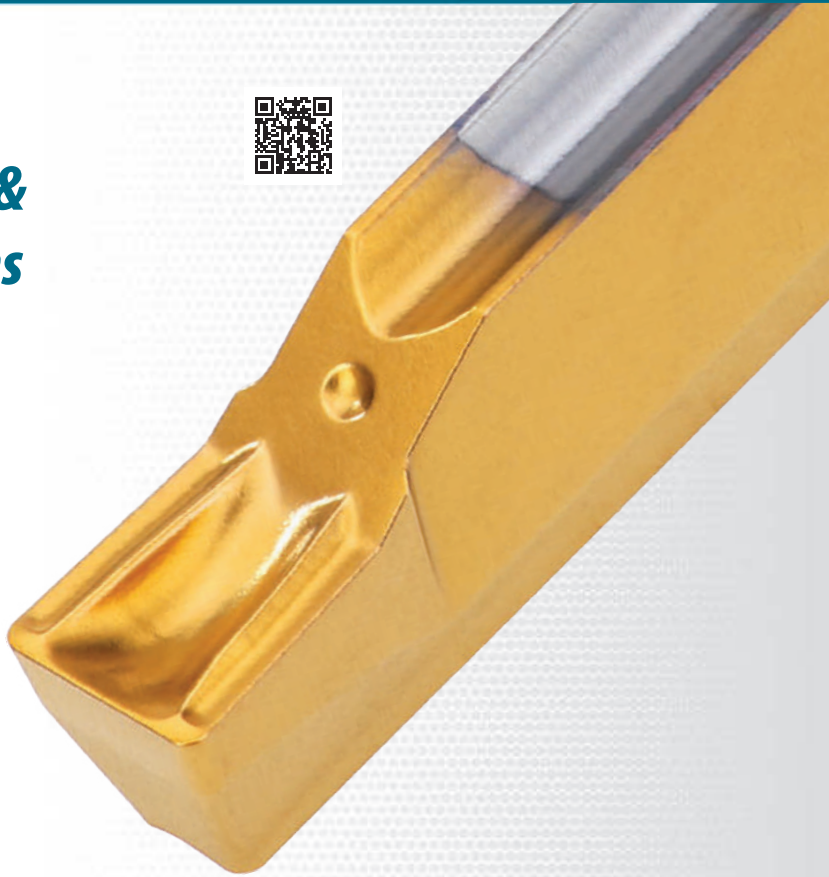
Multifunctional V-Type Insert (TDMV)



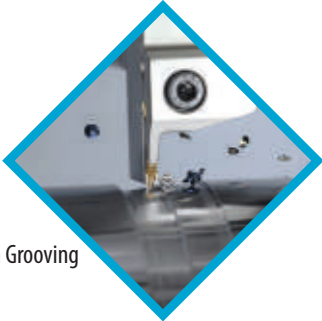
1 All-Directional Turning	2 Optimum Chipbreaker	3 Uses Standard Holders	4 Multiple Applications
<p>Forward Turning</p> <p>Backward Turning</p>			



Multi-Purpose TDXC Insert for Grooving & Turning Applications



Grooving



Turn Grooving



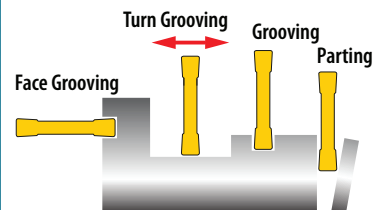
1 Multi-Purpose Chipbreaker



2 Reinforced Edge



3 Wide Variety of Applications



Member IMC Group
Ingersoll
Cutting Tools

Marketing & Technology Center
845 South Lyford Road
Rockford, IL 61108-2749 U.S.A.
Tel: 815/387-6600
E-mail: info@ingersoll-imc.com
www.ingersoll-imc.com

Ingersoll Cutting Tools Canada
845 South Lyford Road
Rockford, IL 61108-2749 U.S.A.
Tel: 800/892-6859

Ingersoll Cutting Tools de México S.A. de C.V.
Jose Musa de Leon, No. 2411, Locales 6 y 7
Fracc. Residencial los Pinos
Saltillo, Coahuila C.P. 25198, México
Tel: 52-844-4-85-32-20

