

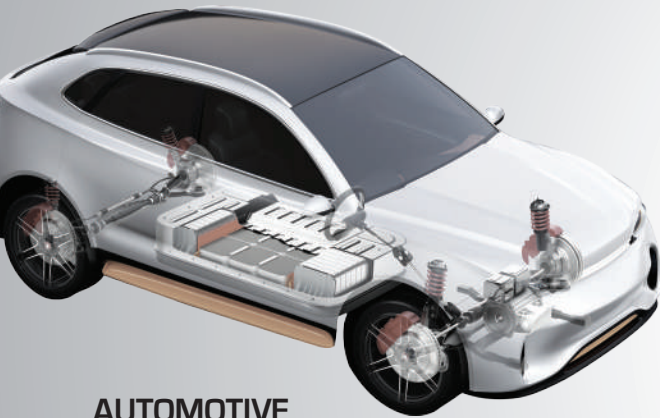


MINI

ADVANCECUTTING
TaeguTec

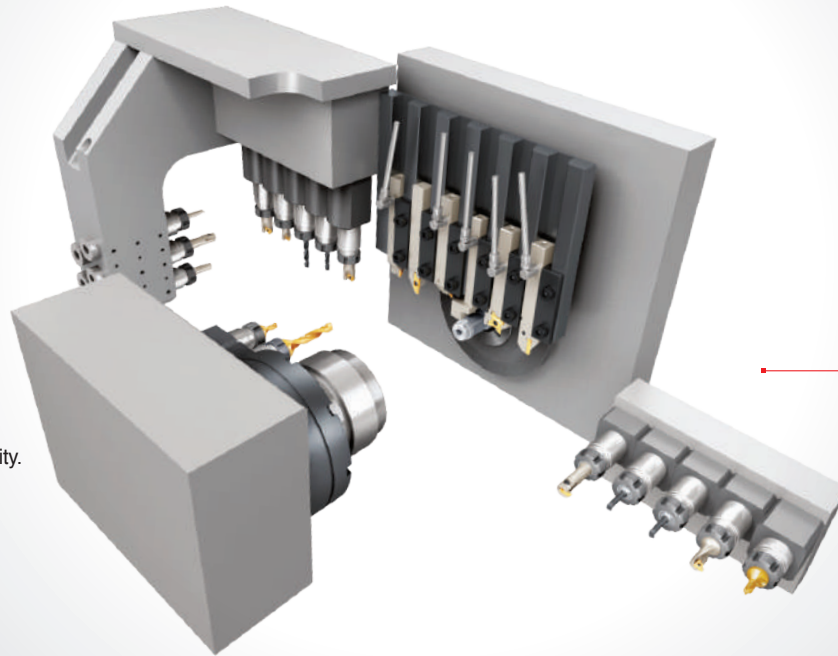
TaeguTec **MINIATURE** Industry Solutions

MINIATURE



AUTOMOTIVE

In recent years, the automotive industry has been rapidly moving towards miniaturization and weight reduction of related components due to the demand for improved energy efficiency and carbon neutrality. In addition, there is the growing demand for more electronics and connectors for electric vehicles. In keeping with these changes, TaeguTec continues to develop and supply precision tools suitable for small automotive components.



MEDICAL

The medical industry's demand for miniaturized medical products such as bone-screws and dental implants continues to grow. These products require not only high precision, but also more specialized tools for the machining of these difficult-to-cut materials such as titanium and stainless steel. TaeguTec meets this growing demand with a product line and grades suitable for the processing of such medical components.



ELECTRONICS

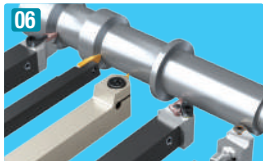
Small appliances such as smart phones, as well as automation and communication devices required by Industry 4.0, are expected to explode in the future. TaeguTec provides tools that increase productivity and reduce costs in the manufacturing processes required for both small quantity batch production as well as mass production.



CONTENTS

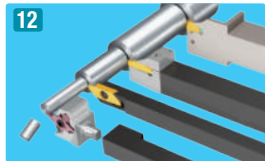


Turning



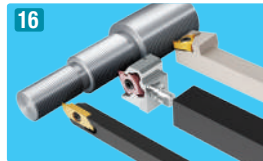
External Turning

Parting and Grooving



External Parting and Grooving

Threading



External Threading

Drilling



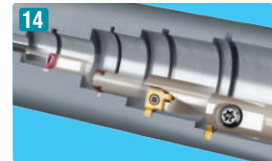
Milling



Solid End Milling



Internal Turning



Internal Grooving

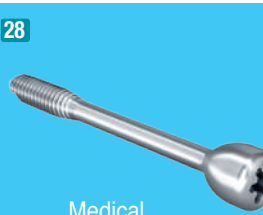


Internal Threading

Tooling Case Study



Automotive



Medical

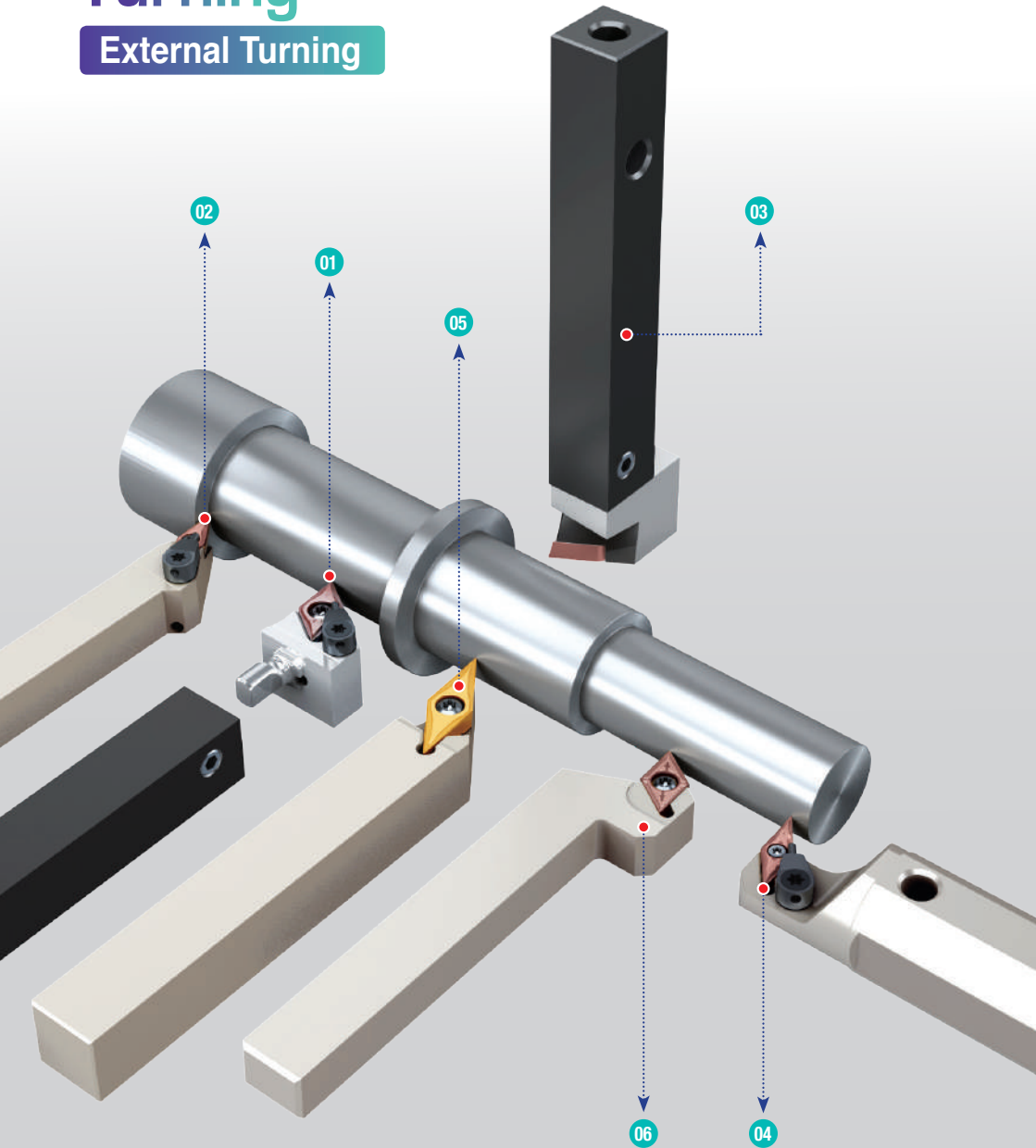


Electronics



Turning

External Turning

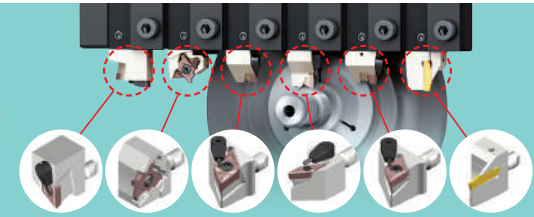
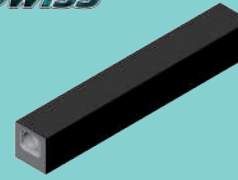


Turning

External Turning

Modular Head

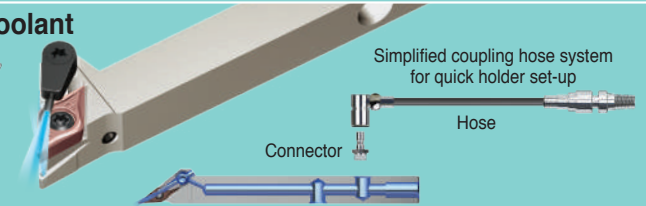
01 WINSWISS



Head change: within 25 seconds

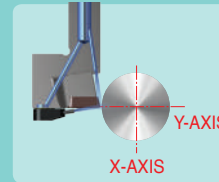
High-pressure Internal Coolant

02 COOLBURST



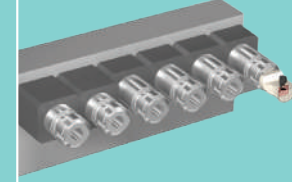
Y-axis Turning

03 TOPMINI (TMY holder)



Sub Turning

04 TOPMINI (TMS holder)



Stable Turning

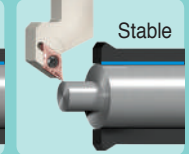
05 MULTITURN



Rigid clamping

Shift Turning

06 TOPMINI (TMZ holder)



Standard holder

TMZ holder

Inserts

TOPMINI



SL

Finish



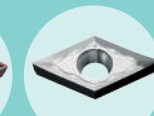
SM

Finish-Medium



SH

Medium



FL

For non-ferrous

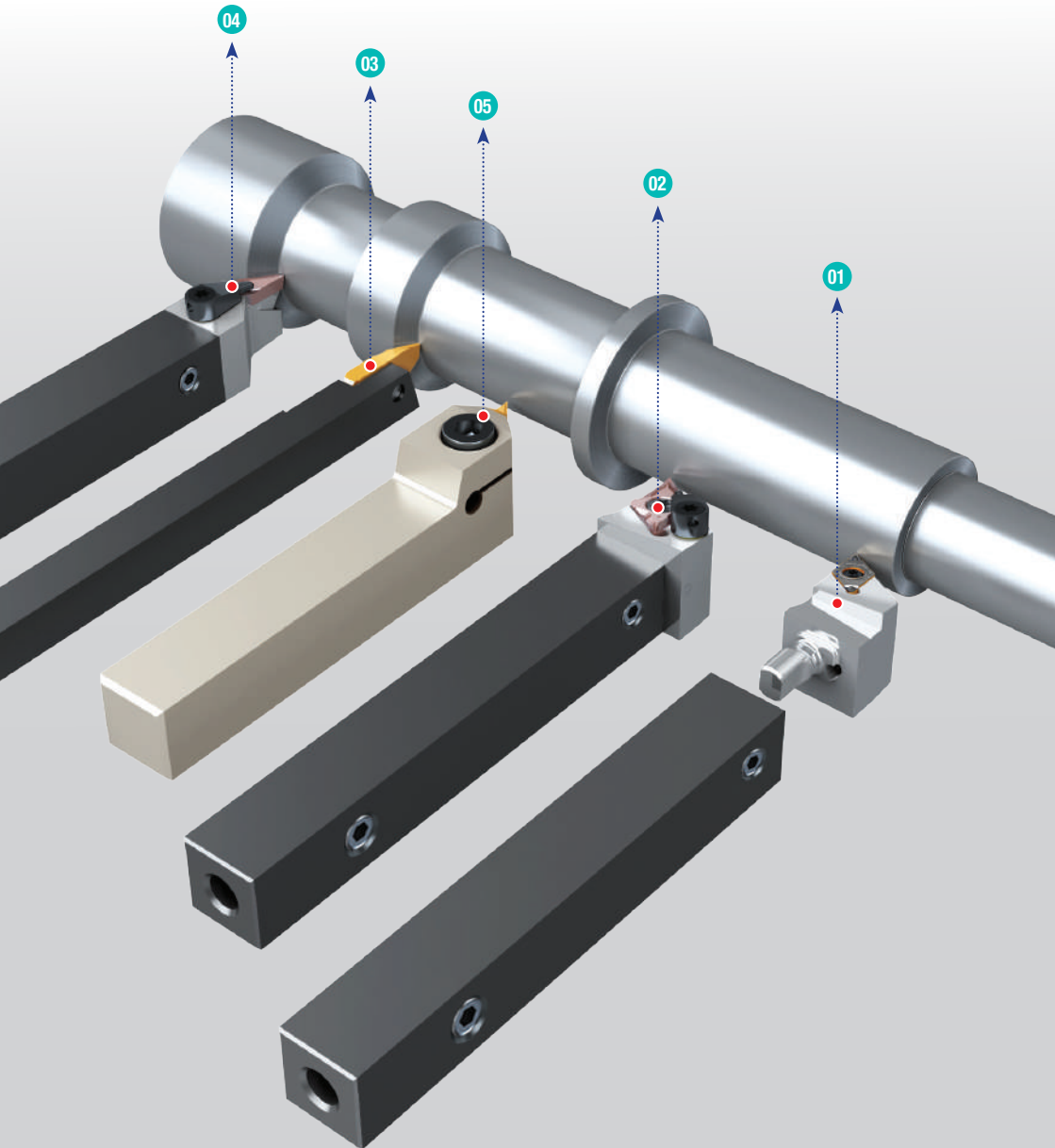


CB

PCD

Turning

External Turning



Turning

External Turning

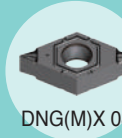
Double-sided Insert Series

01 RHINO TURN

Double-sided mini size inserts and holders



CNMX 07



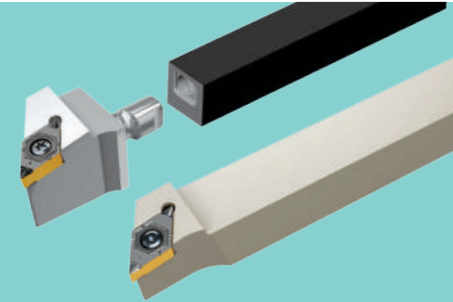
DNG(M)X 08



WNMX 04

4 edges

6 edges



02 RHINO TURN

Economical double-sided inserts and holders



CNGG 09

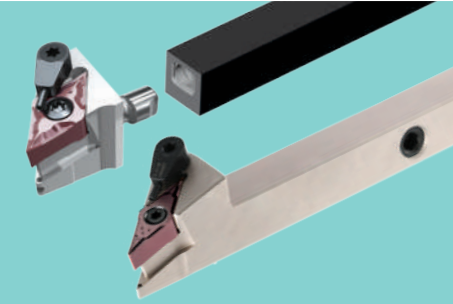


DNGG 13



VNGX 13

4 edges

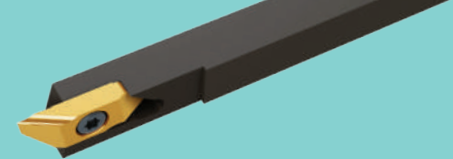


Back Turning

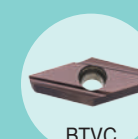
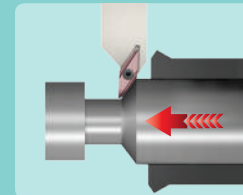
03 TOP CUT



TVBR



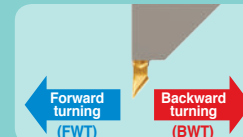
04 TOP MINI



BTVC



05 VT-CLAMP

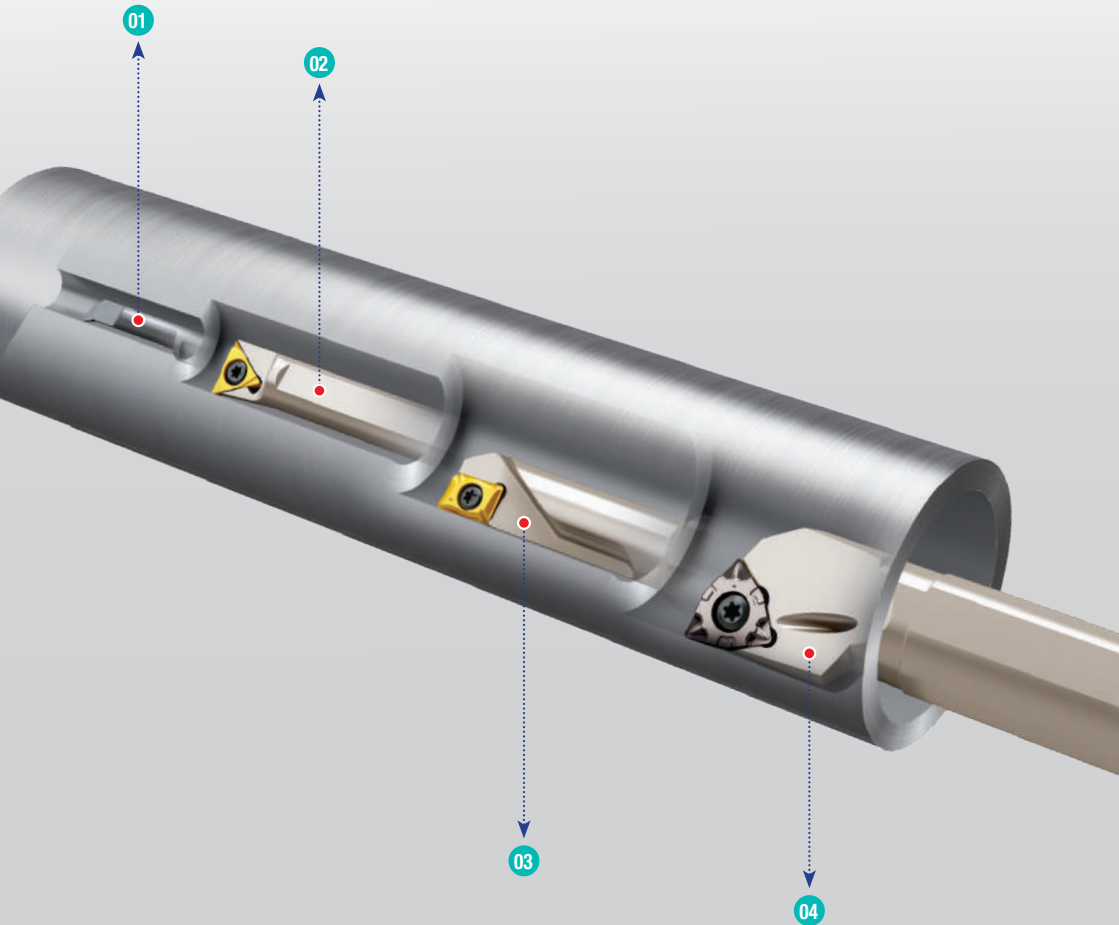


TDMV



Turning

Internal Turning



Internal Turning

Internal Turning

01 TOPMICRO

D_{min}: 0.6 mm

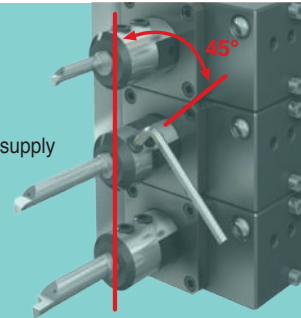
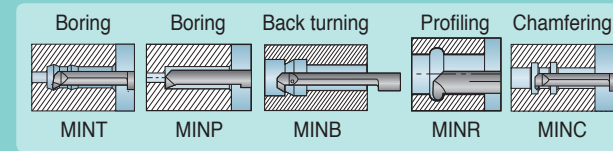


MINS...-L100C
Sleeve for direct connection of coolant supply



MINSL
Two-directional clamping sleeve

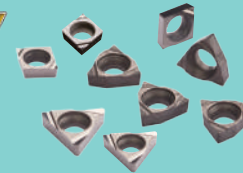
Applications



Angular clamping design avoids interference with the other sleeves at the tool post

02 TOPMINI

D_{min}: 5 mm



Various standard insert lines



Carbide shank



Steel shank

03 TOPCAP

D_{min}: 6 mm

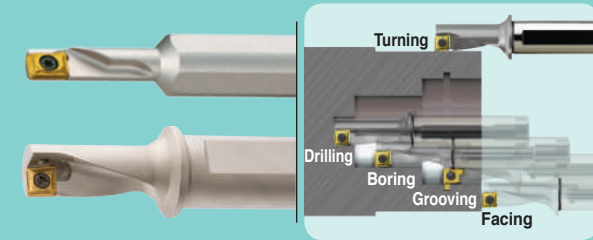


XCMT-TC



XCMT-TA

For non-ferrous



Multifunctional tool

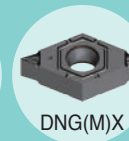
04 RHINOMTURN

Economical double-sided mini size inserts

D_{min}: 16 mm



CNMX



DNG(M)X



WNMX

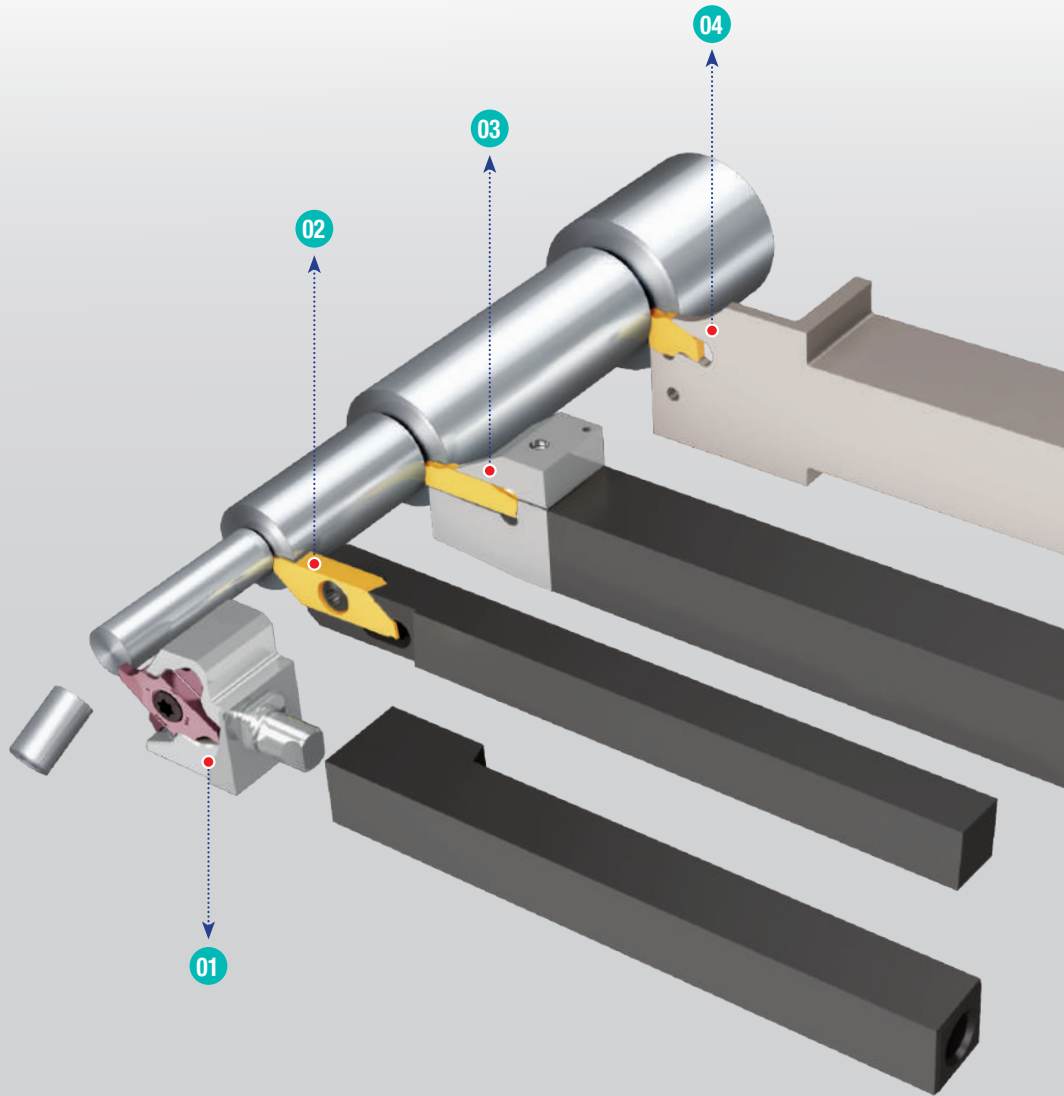
4 edges

6 edges



Parting and Grooving

External Parting and Grooving



Parting and Grooving

External Parting & Grooving

External Parting and Grooving

01 **QUADRUSH**

4-cutting edge inserts for shallow parting and grooving

Dmax: Ø10 mm

Cutting width: 0.5-3.0 mm



TQS



TQJ



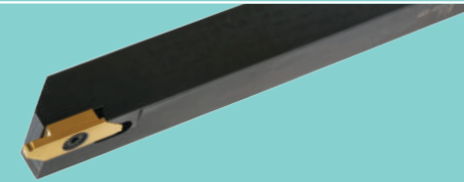
02 **TOPCUT**

Dmax: Ø13 mm

Cutting width: 0.7-2.0 mm



TVPR/L



03 **T-CLAMP**

Double-ended inserts for parting and deep grooving

Dmax: Ø45 mm

Cutting width: 1.4-3.0 mm



TDCT

Turning & Grooving



TDOF



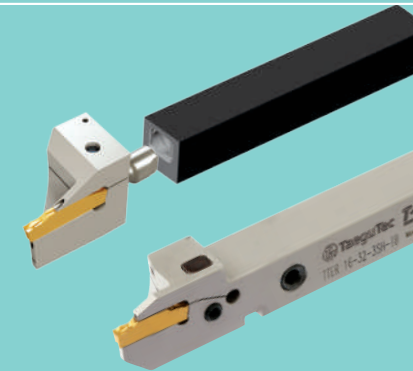
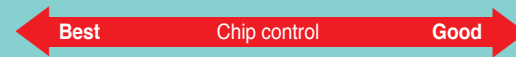
TDV



TDJ



TDC



04 **CUTSPEED**

Single-ended rigid inserts and holders for parting and deep grooving

Dmax: Ø60 mm

Cutting width: 1.6-3.0 mm



SFJ

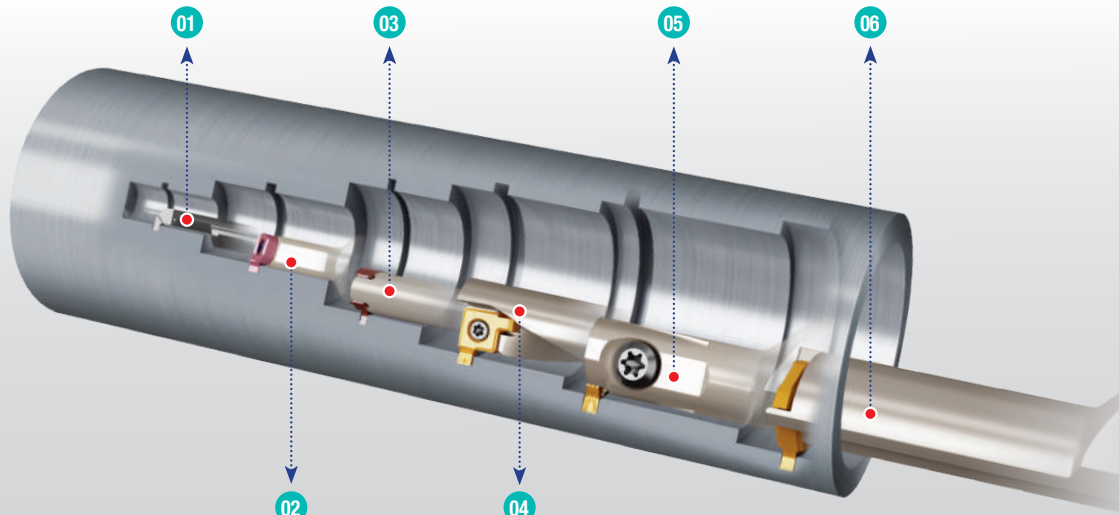


SFC

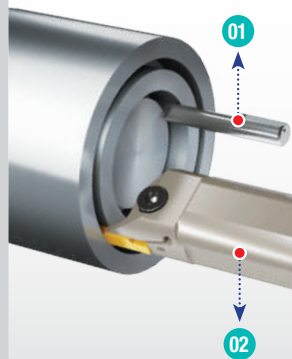


Parting and Grooving

Internal Grooving



Face Grooving



01 TOPMICRO
 Groove Dmin: 6 mm
 Cutting width: 1.0-3.0 mm
 MINF

02 T-CLAMP
 Groove Dmin: 18 mm
 Cutting width: 3.0-6.0 mm
 TDXU

Internal Grooving

Internal Grooving

01 TOPMICRO
 Dmin: Ø2 mm
 Cutting width: 0.5-2.0 mm
 MING

MINS...-L100C
 Sleeve for direct connection of coolant supply
 MINSL
 Two-directional clamping sleeve

02 WINIGROOVE
 Dmin: Ø6 mm
 Cutting width: 0.5-2.0 mm
 TMIR/L 6 TMIR/L 8

Steel shank
 Carbide shank

03 MINIRUSH
 Dmin: Ø10 mm
 Cutting width: 0.5-2.0 mm
 TMIS

Insert can be mounted onto 4-directional neutral holders
 2xD Steel shank
 3xD, 4xD Carbide shank

04 TOPCAP
 Dmin: Ø12 mm
 Cutting width: 2.0-4.0 mm
 XCMT-GV

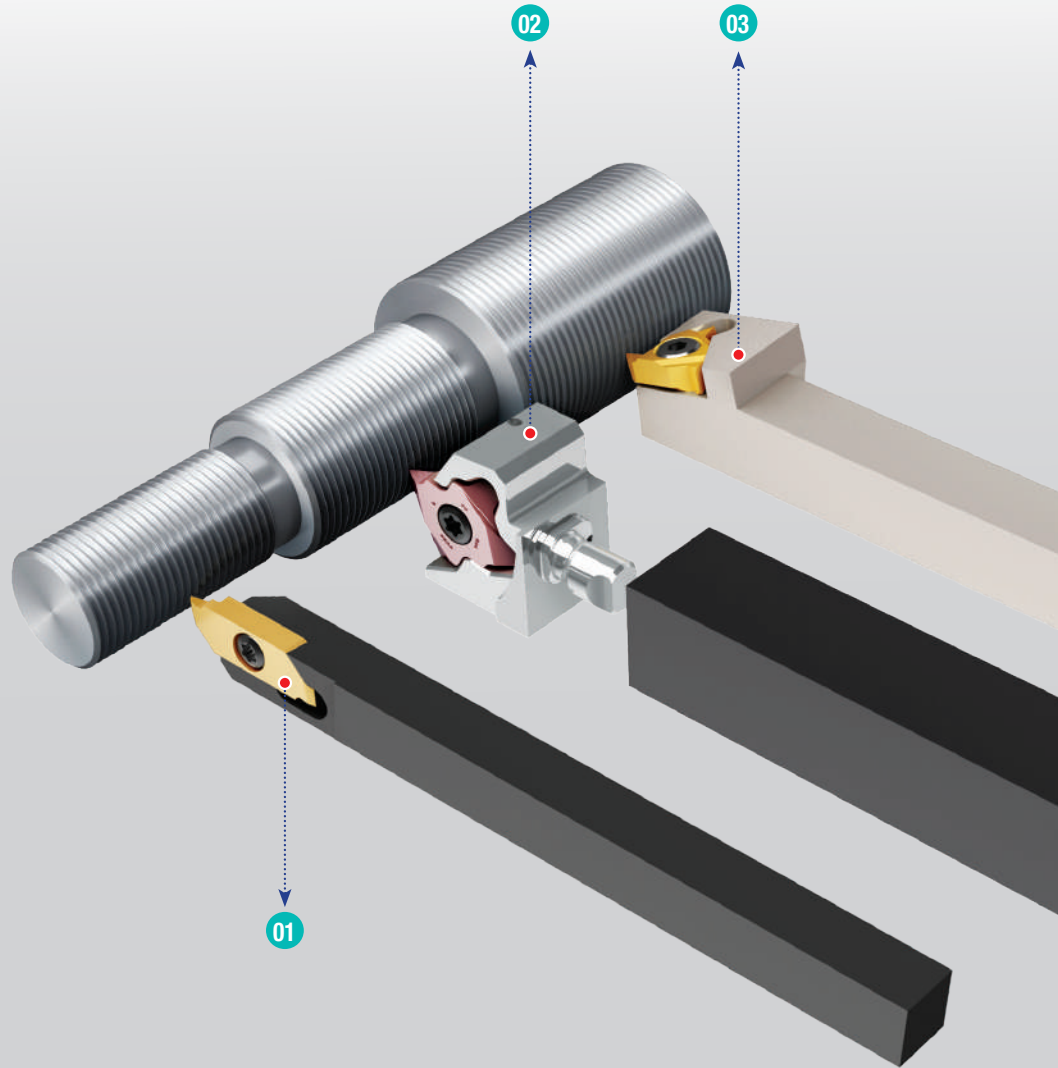
05 T-CLAMP
 Dmin: Ø12.5 mm
 Cutting width: 1.0-3.0 mm
 TDIP TDIM

06 QUADRUSH
 Dmin: Ø16.5 mm
 Cutting width: 1.0-3.0 mm
 TQIS

4 edges

Threading

External Threading



Threading

External Threading

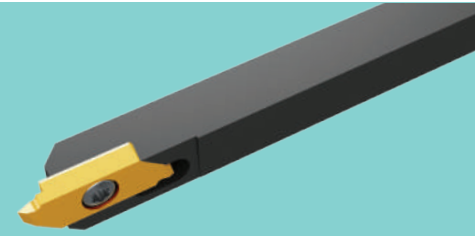
External Threading

01 TOPCUT

Diameter: \varnothing 1-10 mm
Thread forms: Profile 60°



TVTR/L

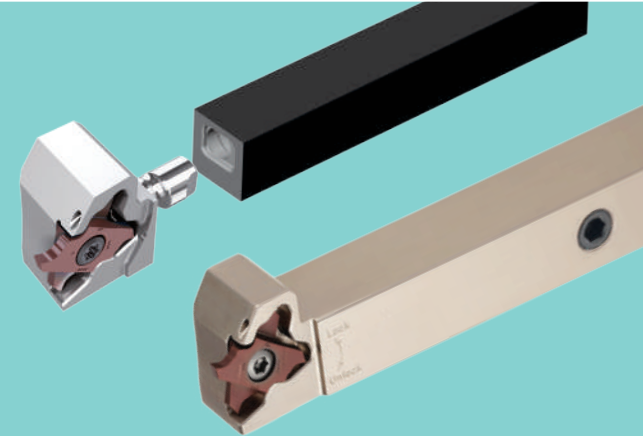


02 QUADRUSH

Diameter: \varnothing 10-20 mm
Thread forms: Profile 60°



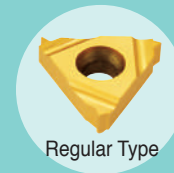
TQS-MT



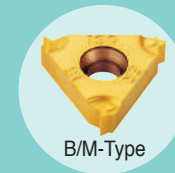
03 T-THREAD

Diameter: \varnothing 10-38 mm

Thread forms: Profile 55 & 60°, M, UN, WH, NT, NF, BSPT, SA, AC, UNJ, MJ, TR, RN, API



Regular Type

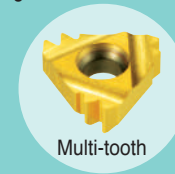


B/M-Type

Various standard
threading lines



U type



Multi-tooth



Threading

Internal Threading

Threading

Internal Threading

Threading

01 TOPMICRO

Dmin: Ø4 mm
Thread forms: Profile 60°



MINI R



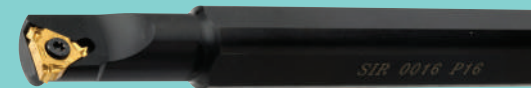
MINS...-L100C
Sleeve for direct connection of coolant supply



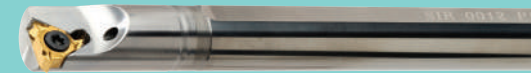
MINSL
Two-directional clamping sleeve

02 T-THREAD

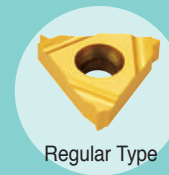
Dmin: Ø6.4 mm
Thread forms: Profile 55 & 60°,
M, UN, WH, NT, NF, BSPT, UNJ, MJ



Steel shank



Carbide shank



Regular Type



B/M-Type



U type



Multi-tooth

Various standard threading lines

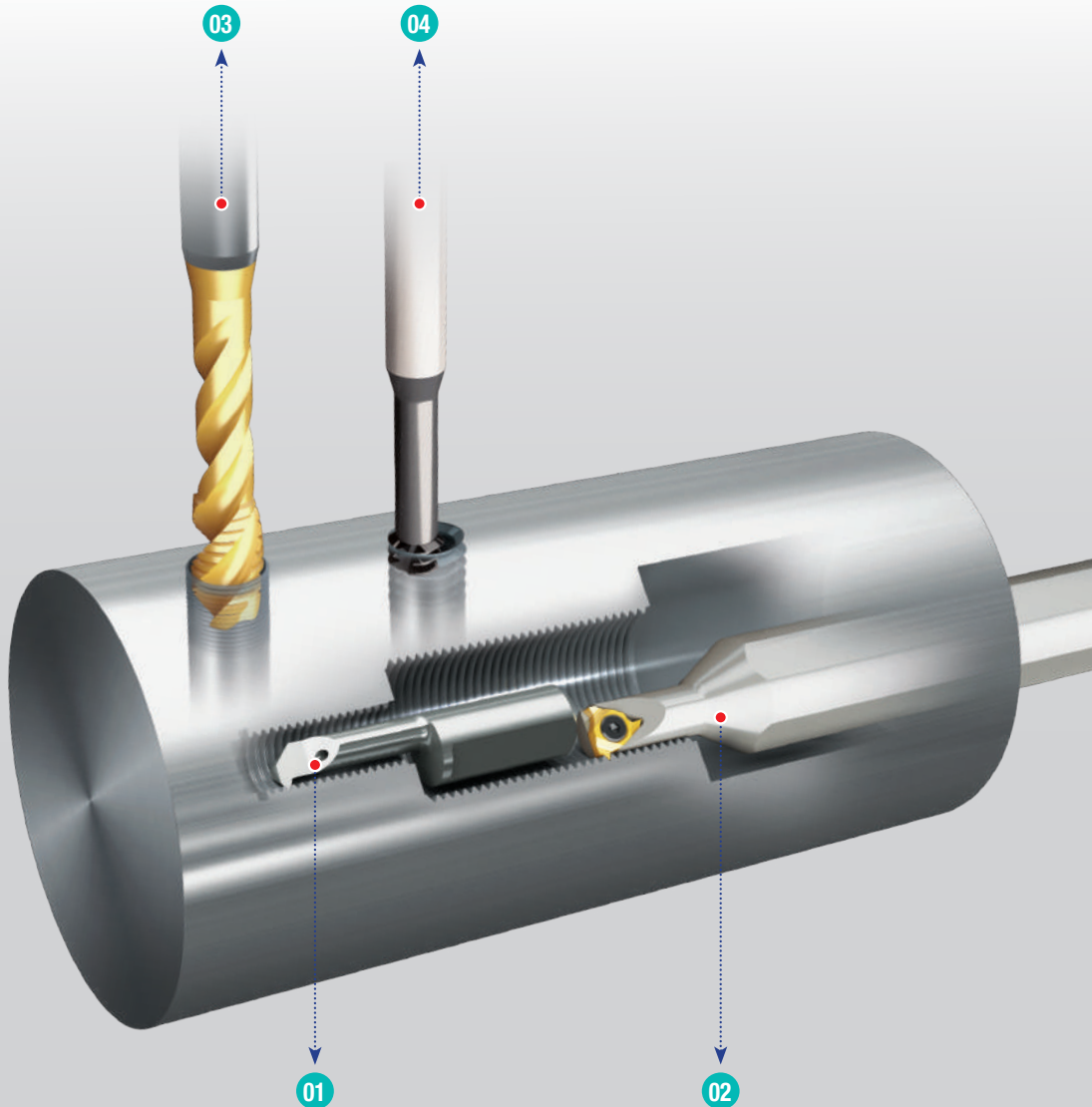
03 T-TAP

Min. Thread size: M2x0.4
Thread forms: M

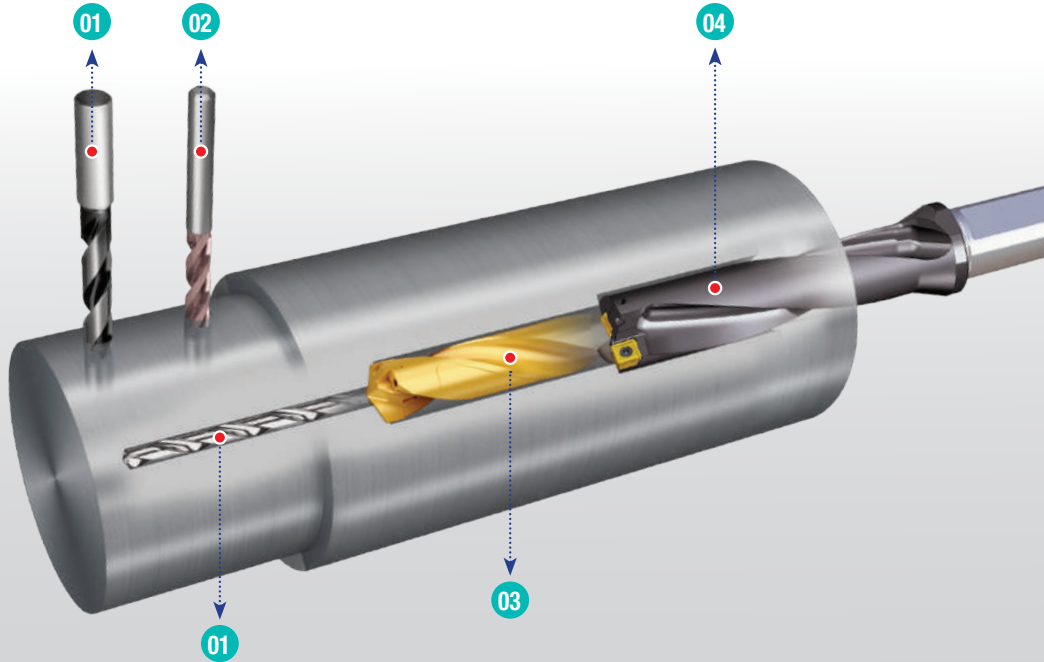


04 TS-THREAD

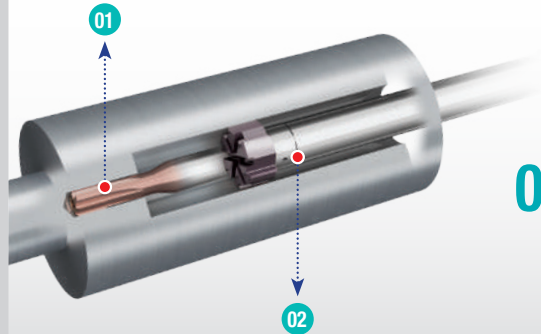
Min. Thread size: M1x0.25
Thread forms: ISO, UN, UNJ, MJ



Drilling



Reaming



01 TSREAM

D_{min}: Ø3 mm



For blind hole



For through hole

02 XM-REAM

D_{min}: Ø8 mm

Overhang: 3xD, 5xD



XR-AS

For blind hole



XR-BL

For through hole

Drilling

Drilling

01 HDRILL

Diameter: Ø3-12 mm

Drilling depth: 3xD, 5xD



NHD

Diameter: Ø4-10 mm

Drilling depth: 10xD, 15xD, 20xD



SHO

MQLDRILL

02 SOLID3DRILL

Diameter: Ø4-12 mm

Drilling depth: 3xD, 5xD, 8xD, 12xD



3HD



PI

FI

CI

03 DRILLRUSH / WINDRILL

Diameter: Ø4-25 mm

Drilling depth: 1.5xD-12xD



TCD-P+

Self-centering



TCD-F

Flat bottom



TCD-P/M

P: for steel

M: for stainless steel



TCD-N

For non-ferrous

Drill Sleeves



TSL-SW (Adjustable tightening length)



TSL-NC (Fixed tightening length)



MAXIRUSH connection

TFLEXTEC connection

04 TOPDRILL

Diameter: Ø12-50 mm

Drilling depth: 2xD-5xD



SOMT-DP

For general



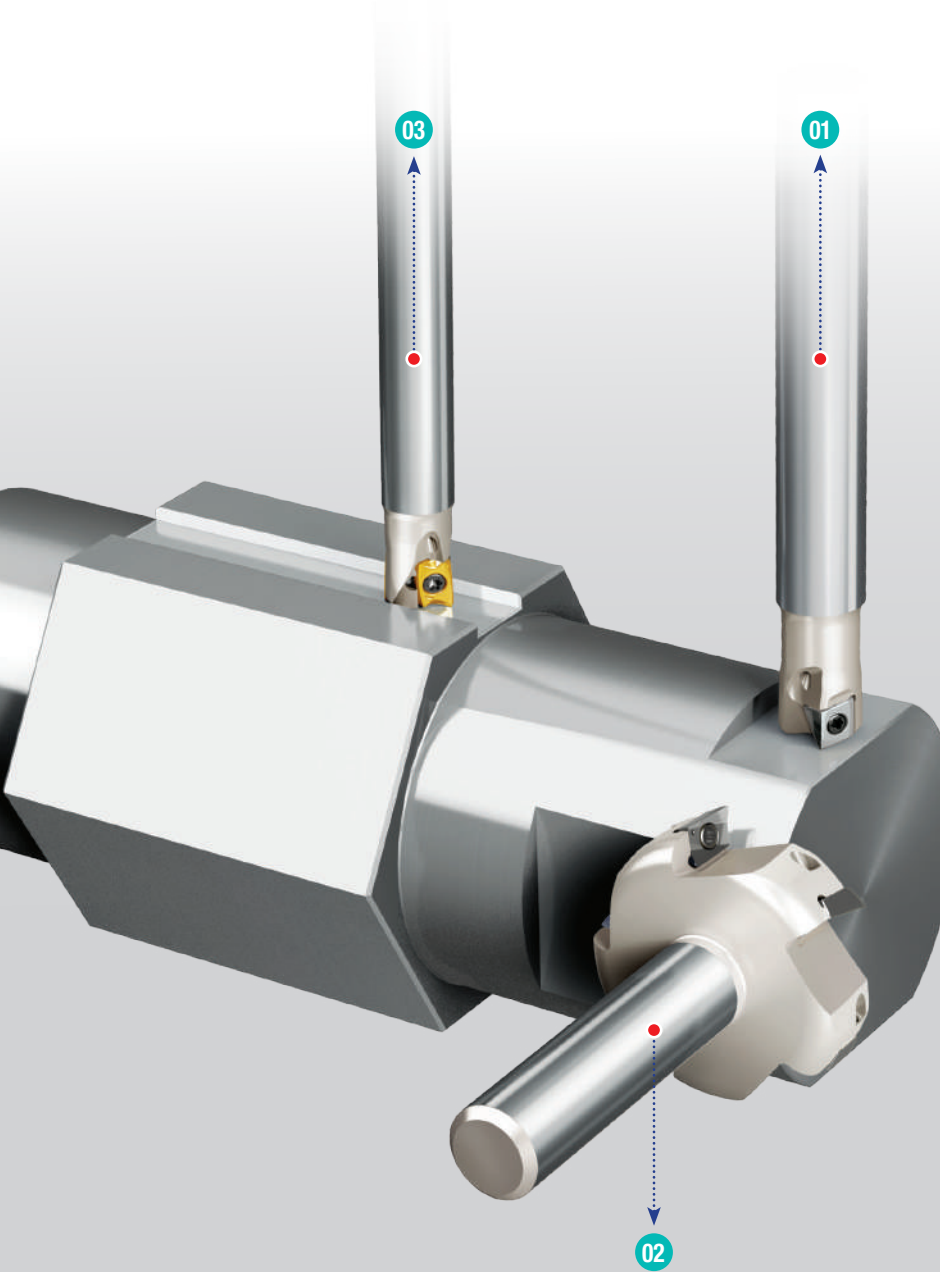
SOMT-DL

For low carbon



SOMT-DA

For non-ferrous



Milling

01 TANGSPEED

Cutter Diameter: Ø10-30 mm

Shank dia: 10, 12 mm



LPHU 05-ML

4 edges

02 CHASEMILL

Cutter Diameter: Ø08-30 mm

Shank dia: 5, 6, 7, 10 mm



AXCT 06-L

For precision



AXCT 06-AL

For non-ferrous

03 WINMILL

Cutter Diameter: Ø06-14 mm

Shank dia: 6, 8, 10, 12 mm



CVHT-L

For precision



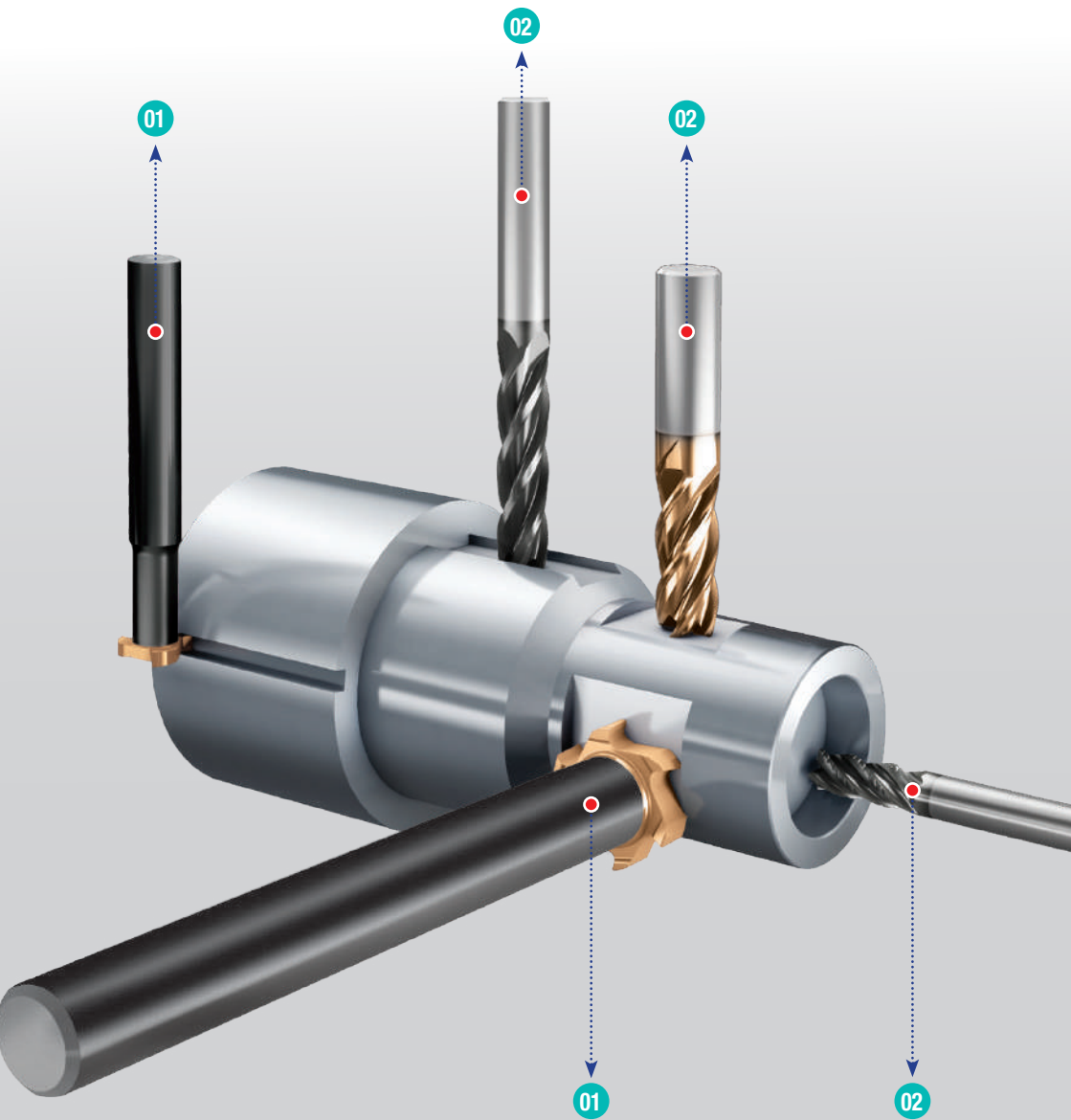
CVKT-M

For general



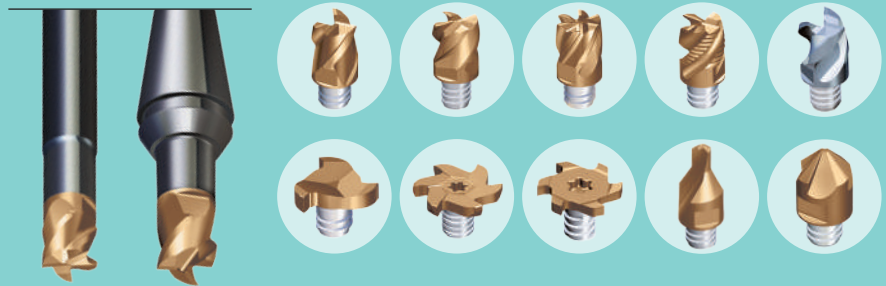
Rigid larger core body, more teeth





Solid End Mills

01 MAXIRUSH

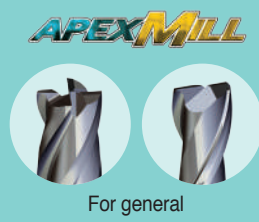


Reduced downtime
Tool setting is eliminated by replacing the head.



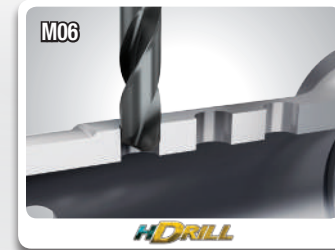
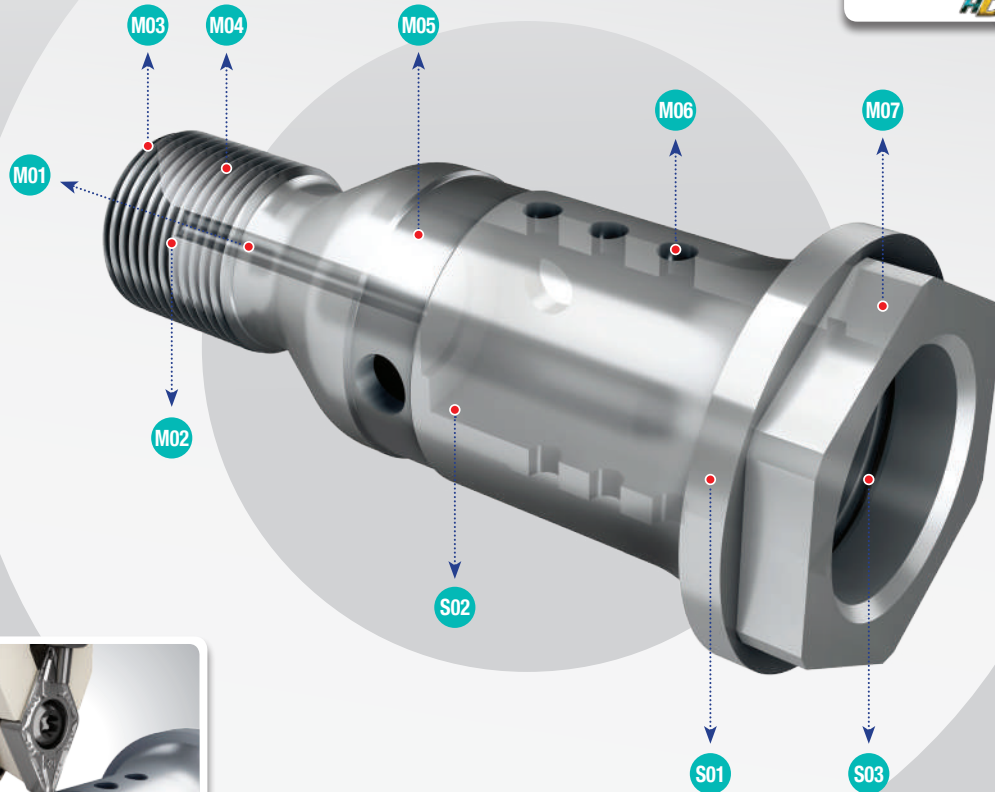
02 Solid End Mills

Solid End Mill Lines for Various Applications



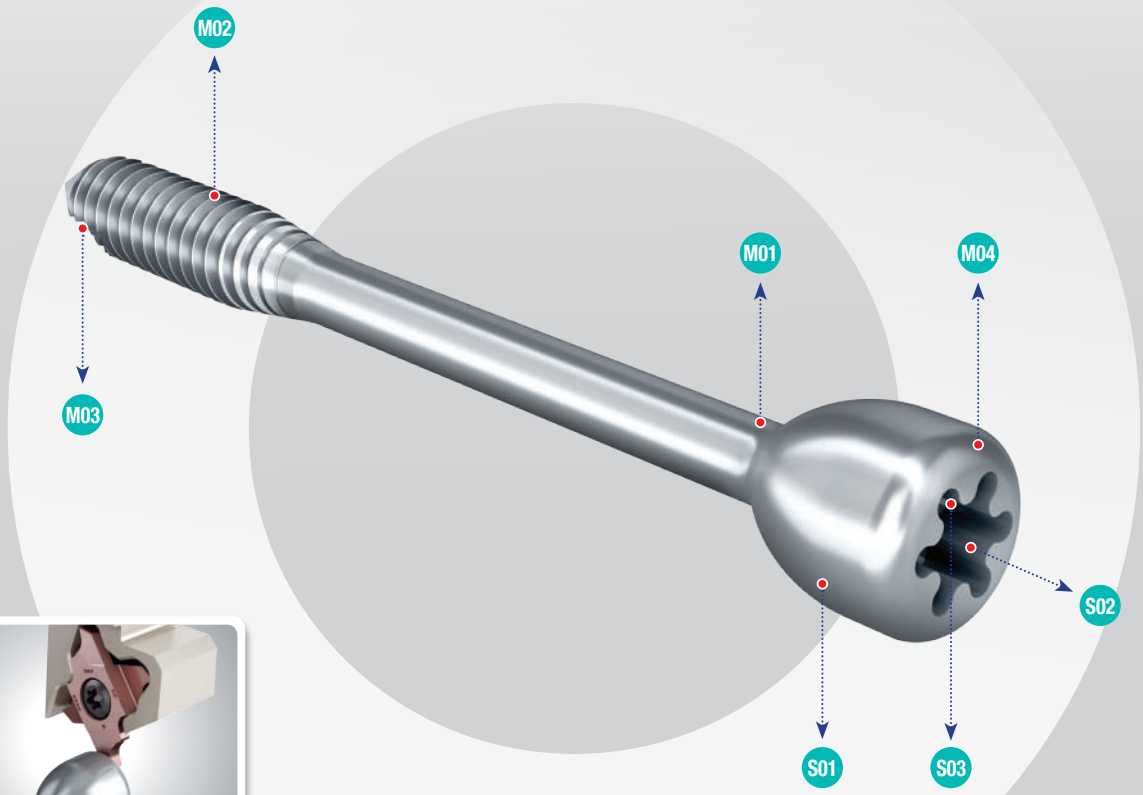
Tooling case study

Automotive Small Parts



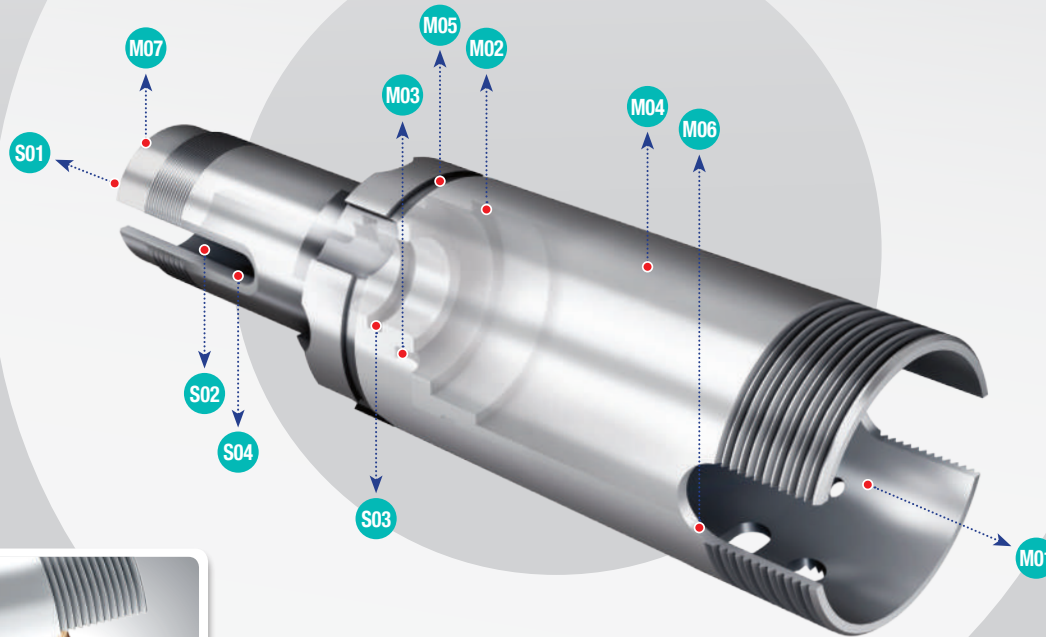
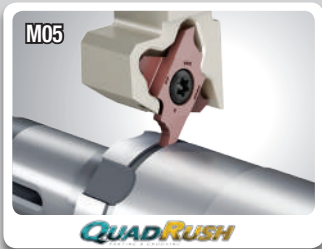
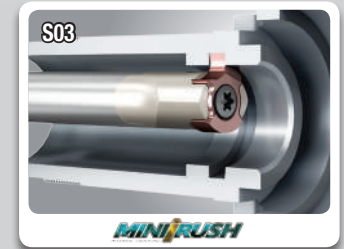
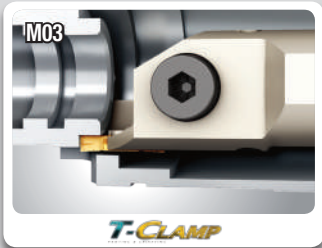
Tooling case study

Medical Small Parts



Tooling case study

Electronics Small Parts





Tool CutZZ

Your Knowledge Machining Link!



Scan me!



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Google play

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App Store