

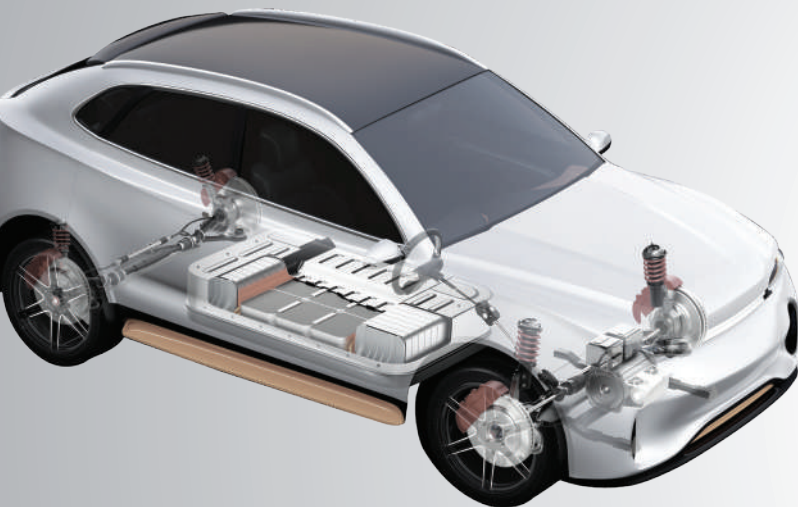


Miniature

ADVANCECUTTING
TaeguTec

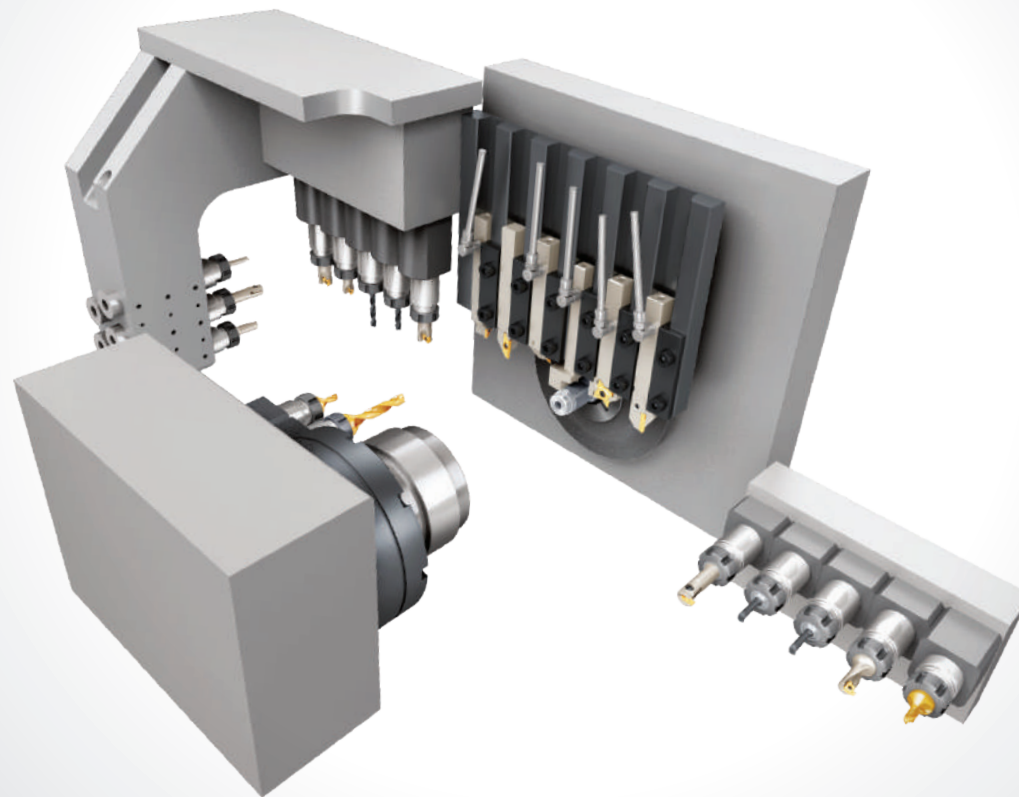
TaeguTec **MINIATURE** Industry Solutions

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

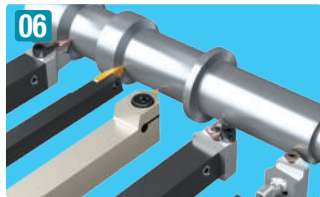
Small appliances such as smart phones, as well as automation and communication devices required by Industry 4.0, are expected to explode in the future. TaeguTec provides tools that increase productivity and reduce costs in the manufacturing processes required for both small quantity batch production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



CONTENTS

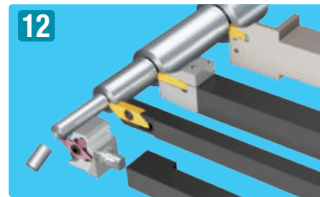


Turning



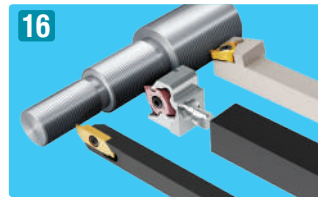
External Turning

Parting and Grooving



External Parting and Grooving

Threading



External Threading

Drilling



Milling



Solid End Milling



Internal Turning



Internal Grooving

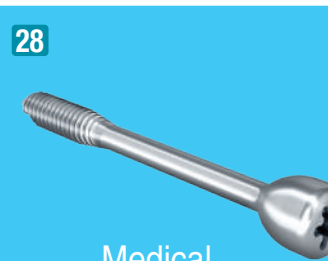


Internal Threading

Tooling Case Study



Automotive



Medical

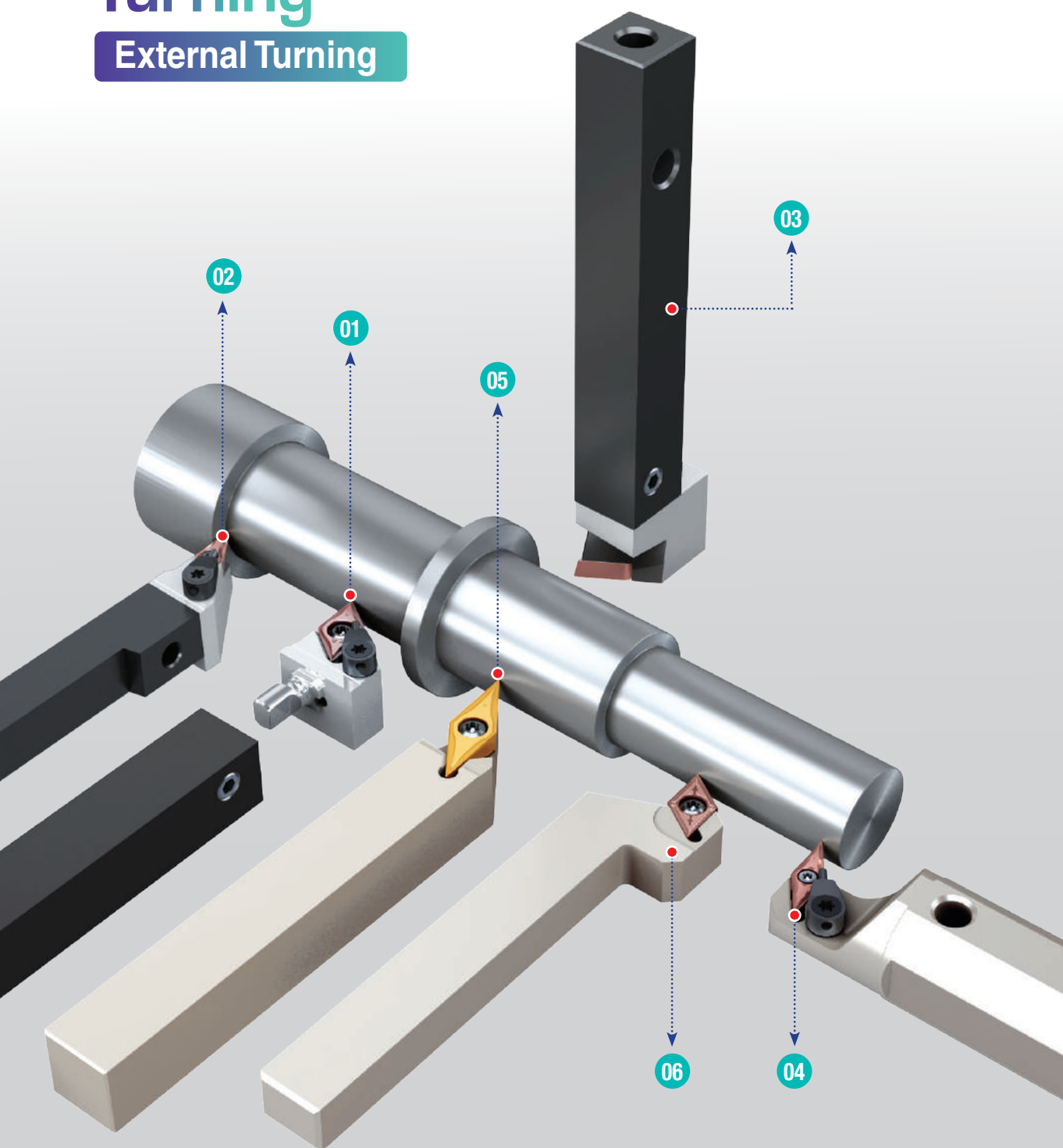


Electronics



Turning

External Turning

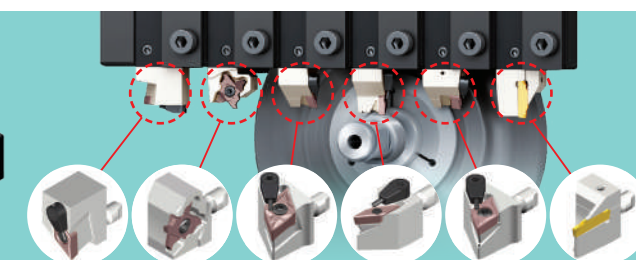


Turning

External Turning

Modular Head

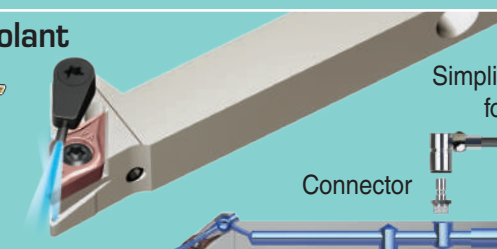
01 **WINSWISS**



Head change: within 25 seconds

High-pressure Internal Coolant

02 **COOLBURST**



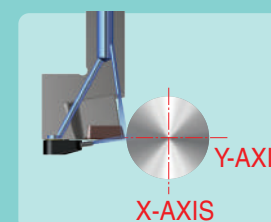
Simplified coupling hose system for quick holder set-up

Connector

Hose

Y-axis Turning

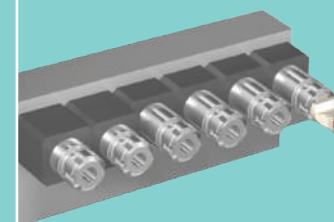
03 **TOPMINI** (TMY holder)



Y-AXIS
X-AXIS

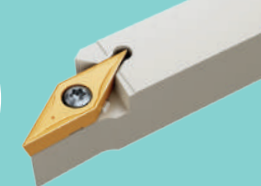
Sub Turning

04 **TOPMINI** (TMS holder)



Stable Turning

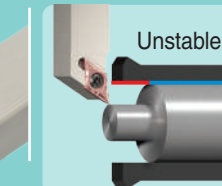
05 **MULTITURN**



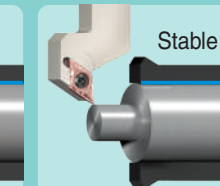
Rigid clamping

Shift Turning

06 **TOPMINI** (TMZ holder)



Unstable



Standard holder

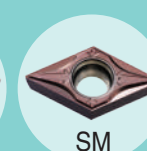
TMZ holder

Inserts

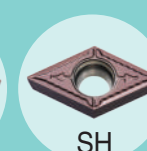
TOPMINI



SL



SM



SH



ST



SA



FL

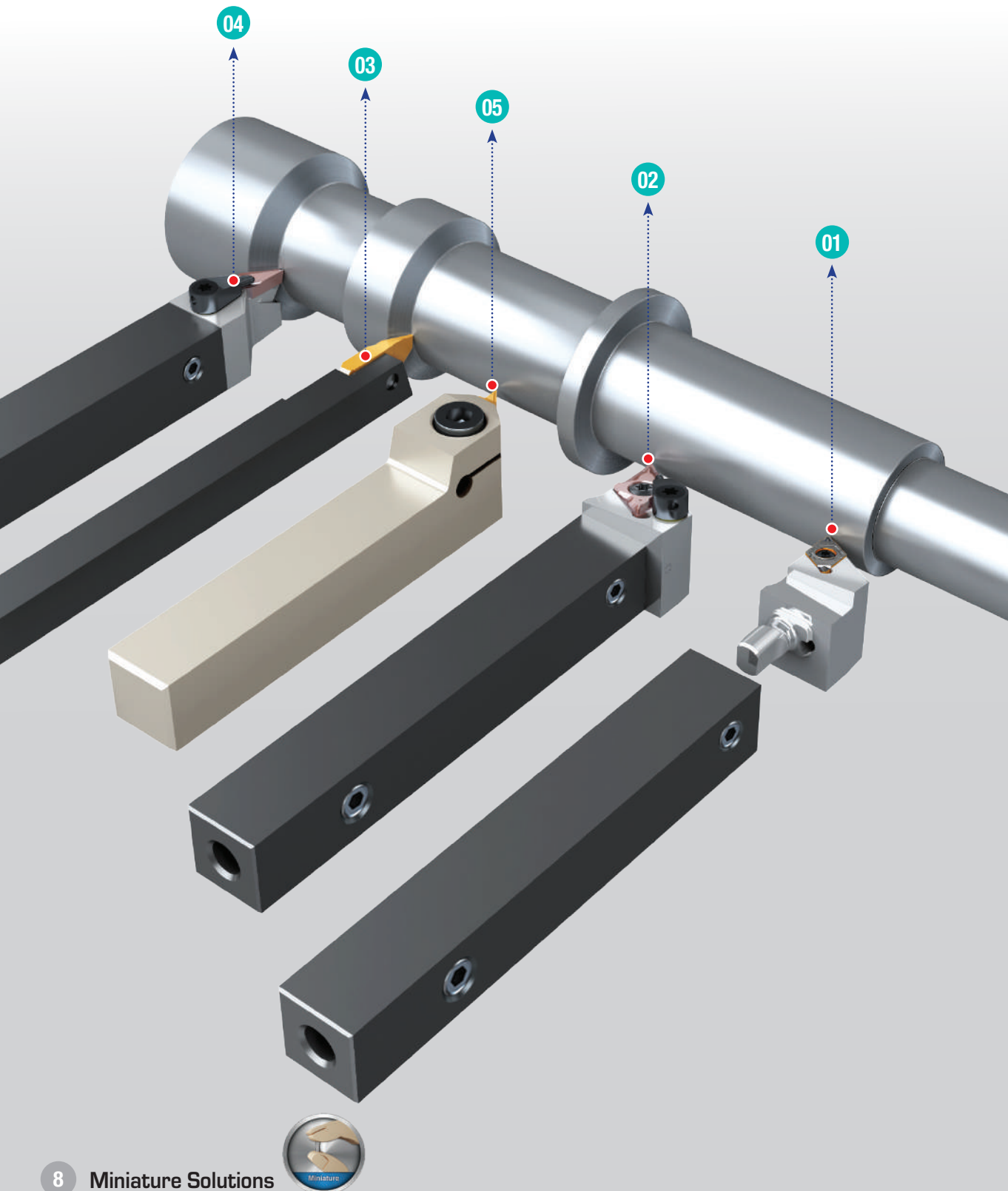


CB

PCD

Turning

External Turning

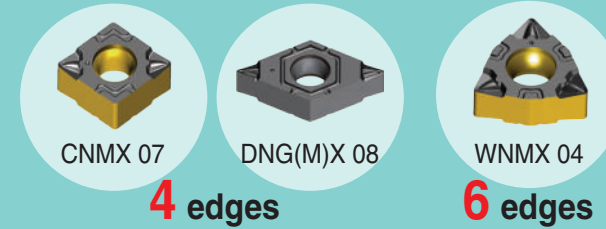


Turning

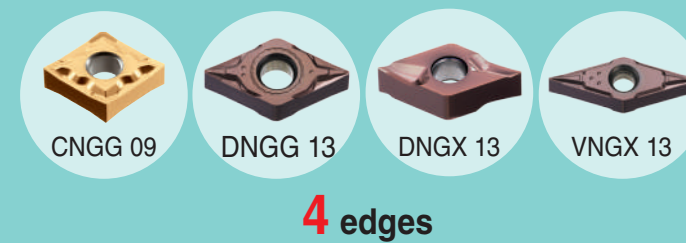
External Turning

Double-sided Insert Series

01 **RHINO^{MTURN}** Double-sided mini size inserts and holders



02 **RHINO^{TURN}** Economical double-sided inserts and holders

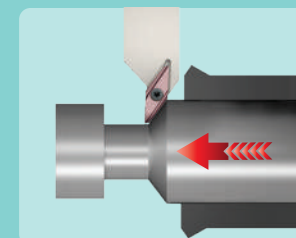


Back Turning

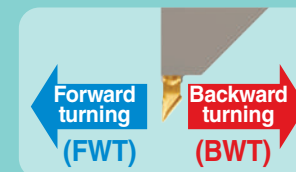
03 **TOP^{CUT}**



04 **TOP^{MINI}**

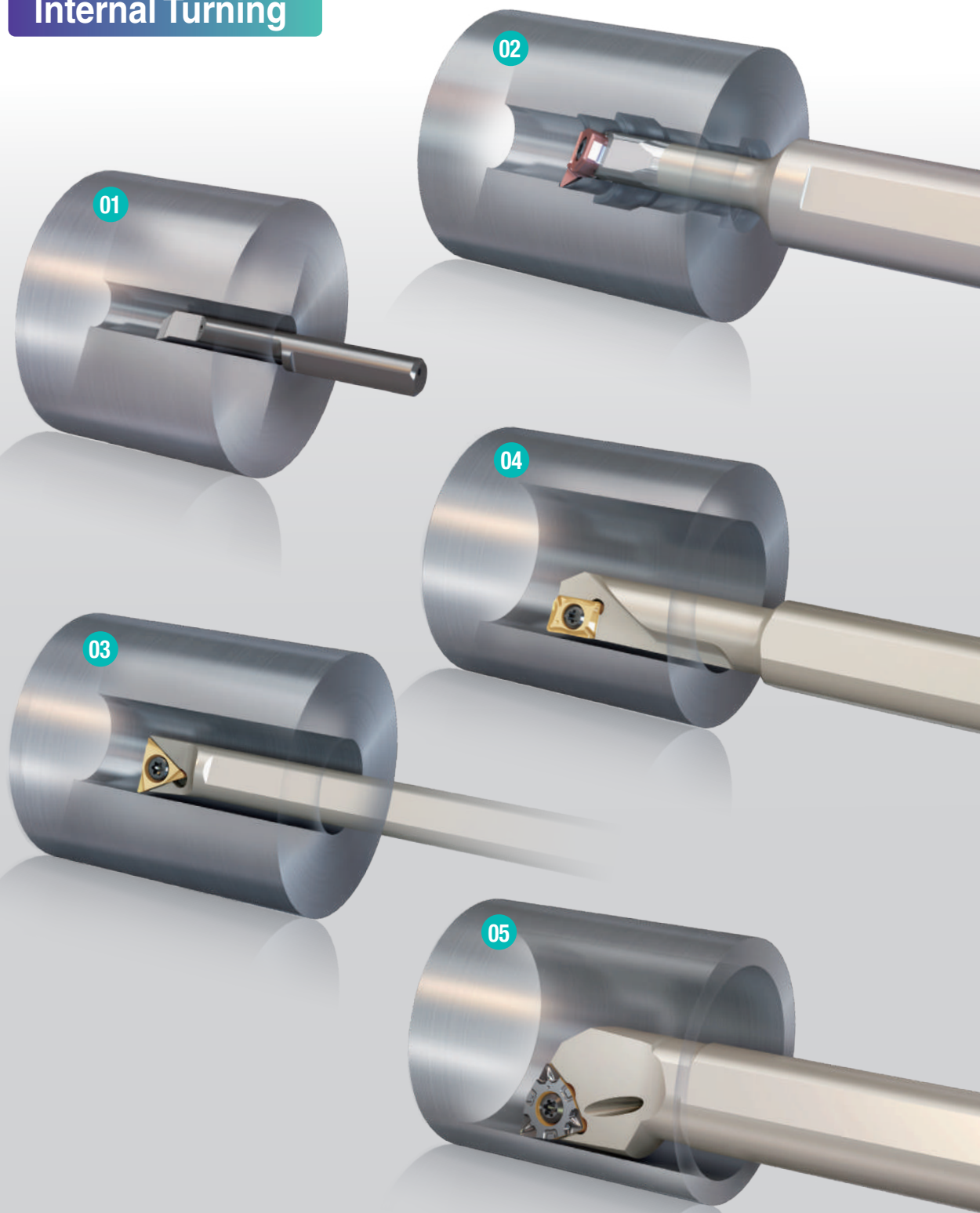


05 **VT-CLAMP**



Turning

Internal Turning



Turning

Internal Turning

01 TOPMICRO

Dmin: 0.6 mm



MINT/P



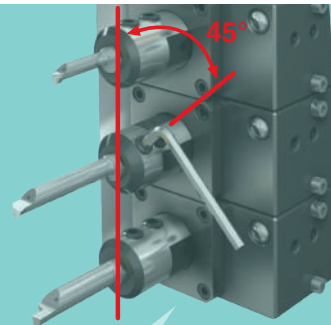
MINS...-L100C

Sleeve for direct connection of coolant supply



MINSL

Two-directional clamping sleeve



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

02 WINIGROOVE

최소 내경: 6 mm



TMIR/L-20



TMIR/L-47



TMIR/L

Full-Radius



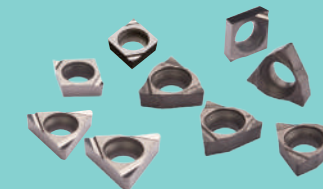
Steel shank



Carbide shank

03 TOPMINI

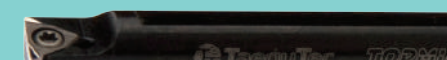
Dmin: 5 mm



Various standard insert lines



Carbide shank



Steel shank

04 TOPCAP

Dmin: 6 mm

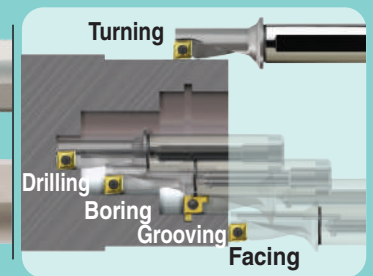


XCMT-TC



XCMT-TA

For non-ferrous



Multifunctional tool

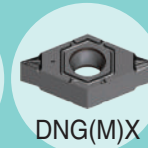
05 RHINOMTURN

Economical double-sided mini size inserts

Dmin: 16 mm



CNMX



DNG(M)X



WNMX

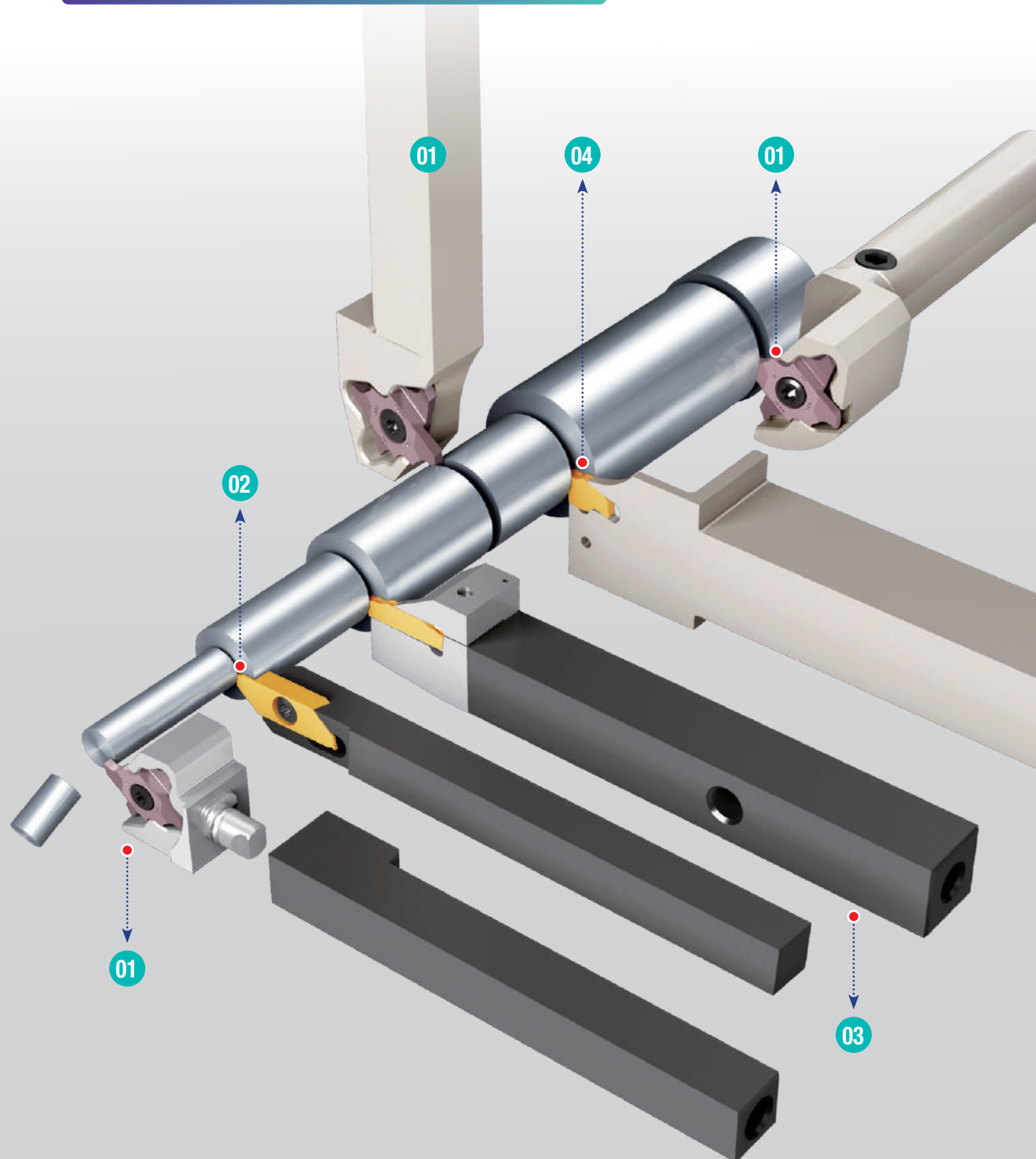
4 edges

6 edges



Parting and Grooving

External Parting and Grooving



Parting and Grooving

External Parting & Grooving

External Parting and Grooving

01

QUAD RUSH

4-cutting edge inserts for shallow parting and grooving

Dmax: Ø10 mm

Cutting width: 0.5-3.0 mm

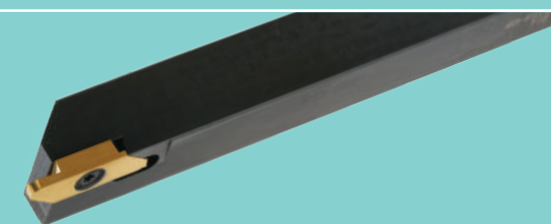


02

TOP CUT

Dmax: Ø13 mm

Cutting width: 0.7-2.0 mm



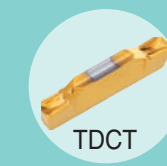
03

T-CLAMP

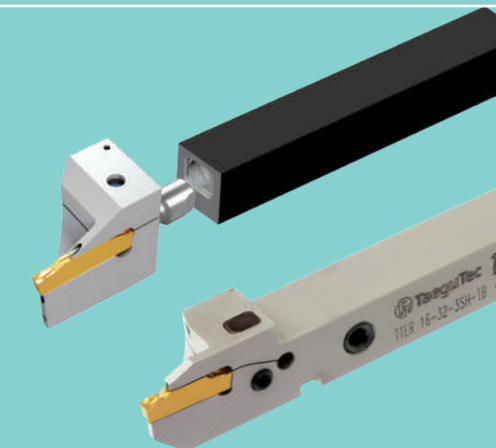
Double-ended inserts for parting and deep grooving

Dmax: Ø45 mm

Cutting width: 1.4-3.0 mm



Turning & Grooving



04

CUT SPEED

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

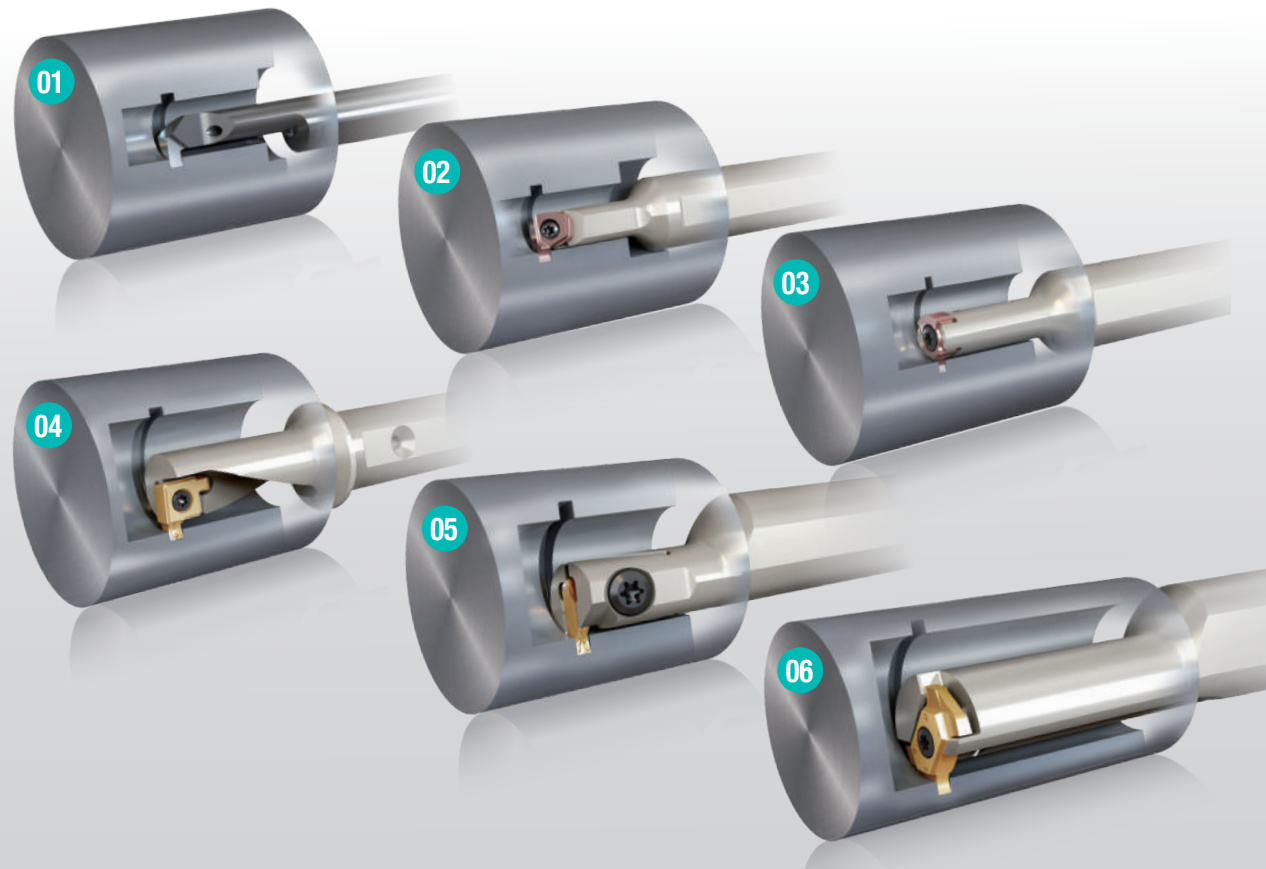
Dmax: Ø60 mm

Cutting width: 1.6-3.0 mm



Parting and Grooving

Internal Grooving



Face Grooving



Parting and Grooving

Internal Grooving

Internal Grooving

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

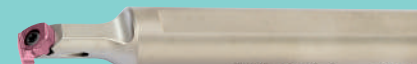
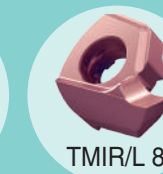
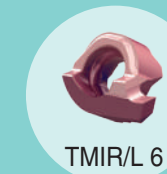


MINS...-L100C
Sleeve for direct connection of coolant supply



MINSL
Two-directional clamping sleeve

02 WINIGROOVE
Dmin: Ø6 mm
Cutting width: 0.5-2.0 mm

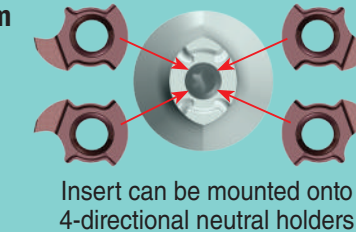


Steel shank



Carbide shank

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



2xD
Steel shank



3xD, 4xD
Carbide shank

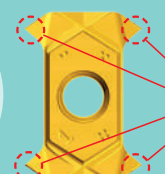
04 TOPCAP
Dmin: Ø12 mm
Cutting width: 2.0-4.0 mm



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



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

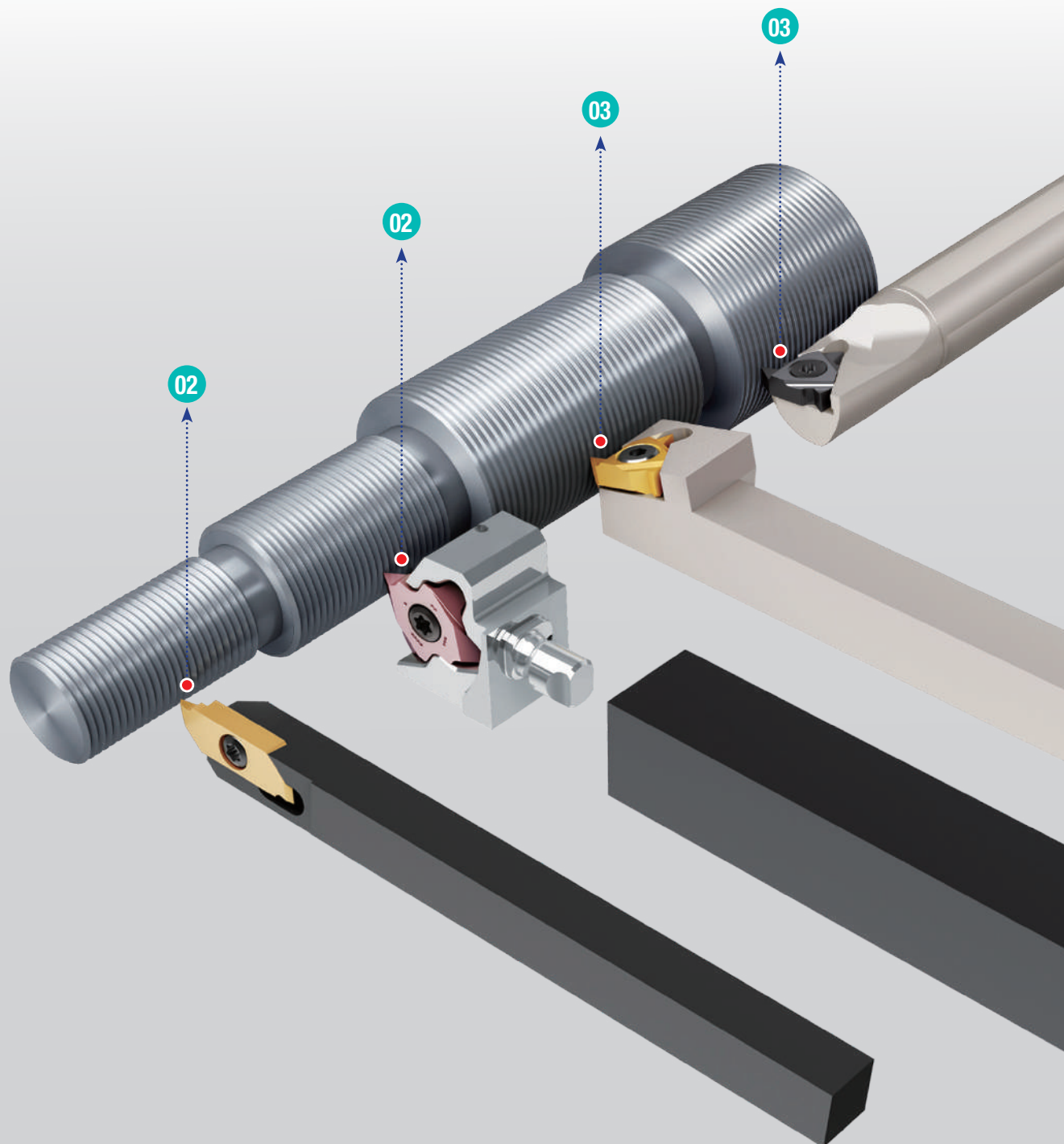


4 edges



Threading

External Threading



Threading

External Threading

External Threading

01 *TOPCUT*

Diameter: Ø1-10 mm
Thread forms: Profile 60°



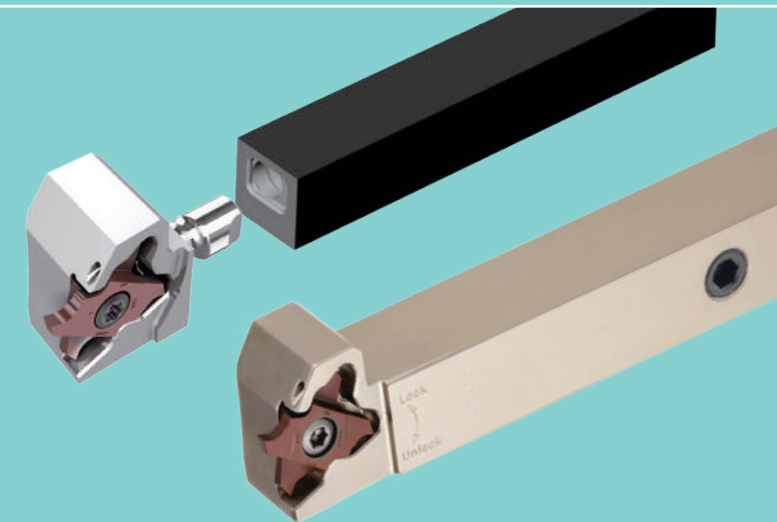
TVTR/L

02 *QUADRUSH*

Diameter: Ø10-20 mm
Thread forms: Profile 60°



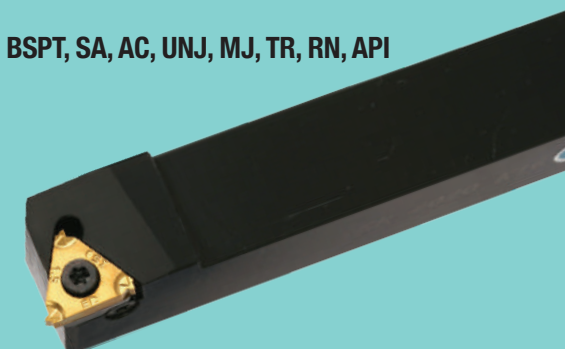
TQS-MT



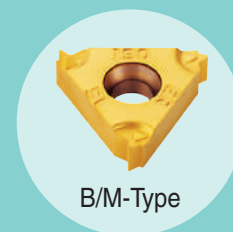
03 *T-THREAD*

Diameter: Ø10-38 mm

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



Regular Type



B/M-Type



U type

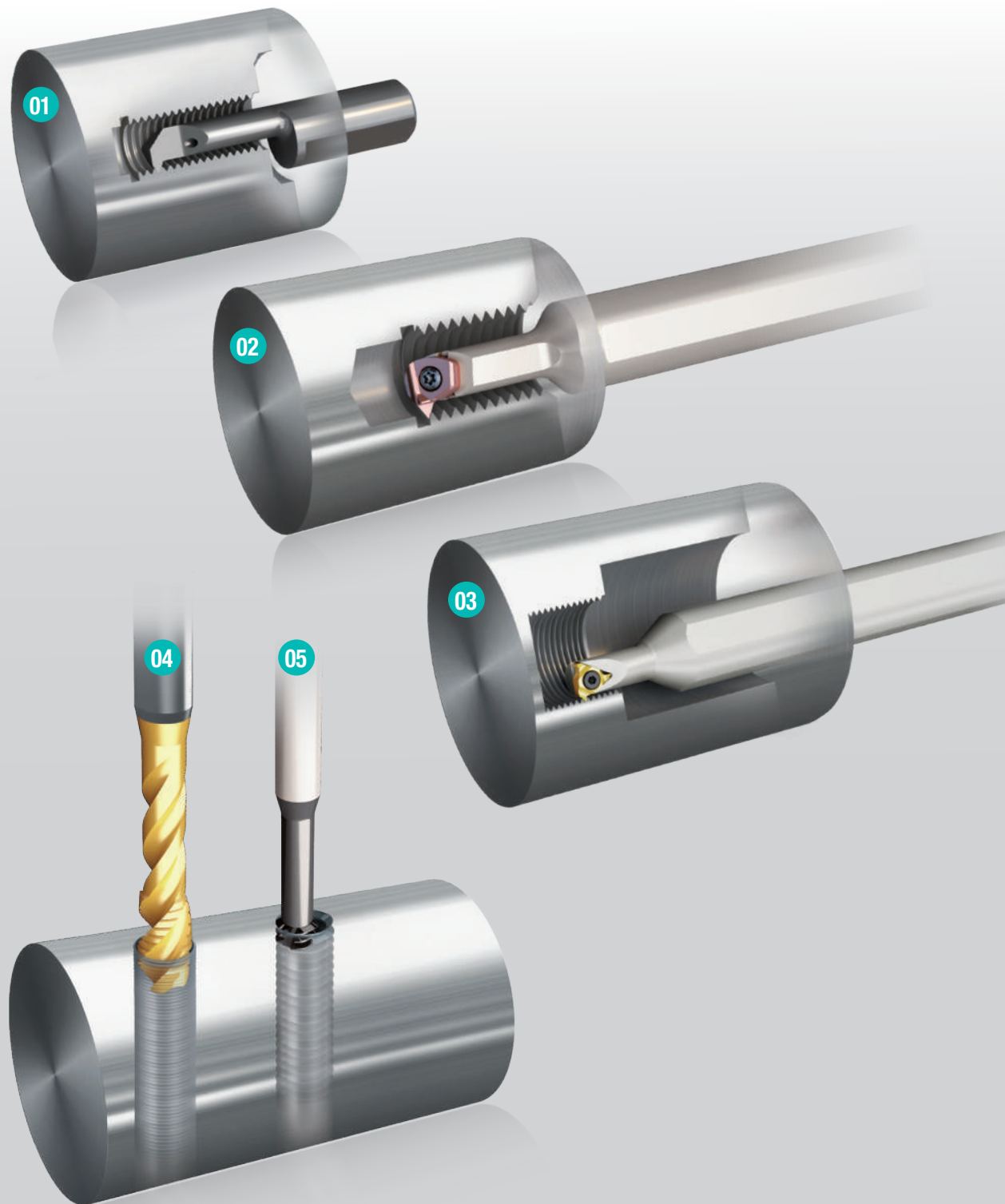


Multi-tooth

Various standard threading lines

Threading

Internal Threading



Threading

Internal Threading

Internal 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 WINGROOVE

Dmin: Ø6 mm

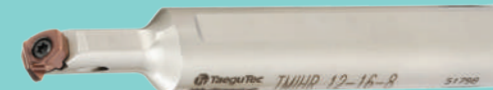
Thread forms: Profile 60°



TMIR/L 6-MT



TMIR/L 8-MT



Steel shank

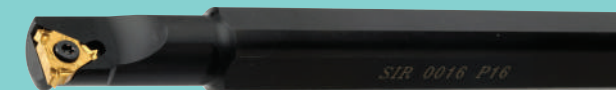


Carbide shank

03 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

04 T-TAP

Min. Thread size: M2x0.4

Thread forms: M



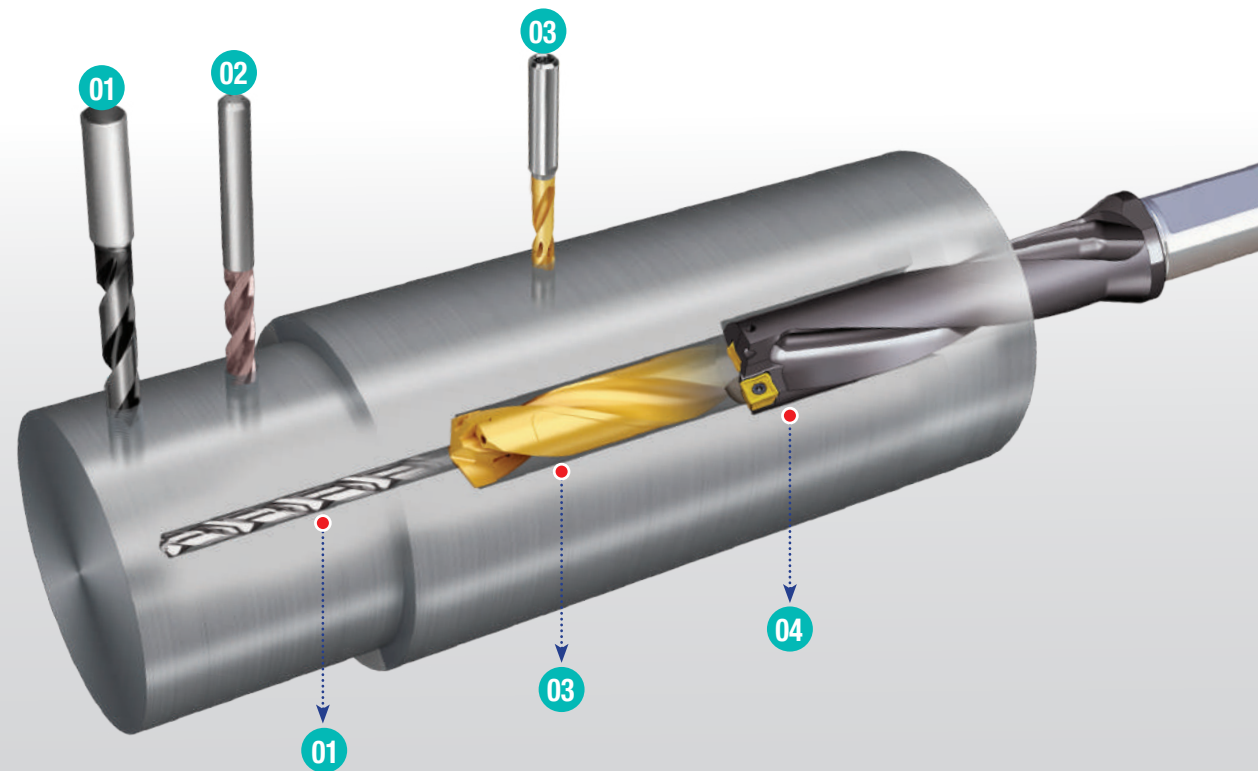
05 TS-THREAD

Min. Thread size: M1x0.25

Thread forms: ISO, UN, UNJ, MJ



Drilling



Reaming

01 TSREAM

Dmin: Ø3 mm



For blind hole



For through hole

02 XM-REAM

Dmin: Ø8 mm

Overhang: 3xD, 5xD



XR-AS
For blind hole



XR-BL
For through hole

Drilling

Drilling

01 H-DRILL

Diameter: Ø3-12 mm

Drilling depth: 3xD, 5xD



NHD

Diameter: Ø4-10 mm

Drilling depth: 10xD, 15xD, 20xD



SHO

MQL-DRILL

02 SOLID3DRILL

Diameter: Ø4-12 mm

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



3HD



PI



FI



CI

03 DRILLRUSH / WIN-DRILL

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 TOP-DRILL

Diameter: Ø12-50 mm

Drilling depth: 2xD-5xD



SOMT-DP

For general



SOMT-DL

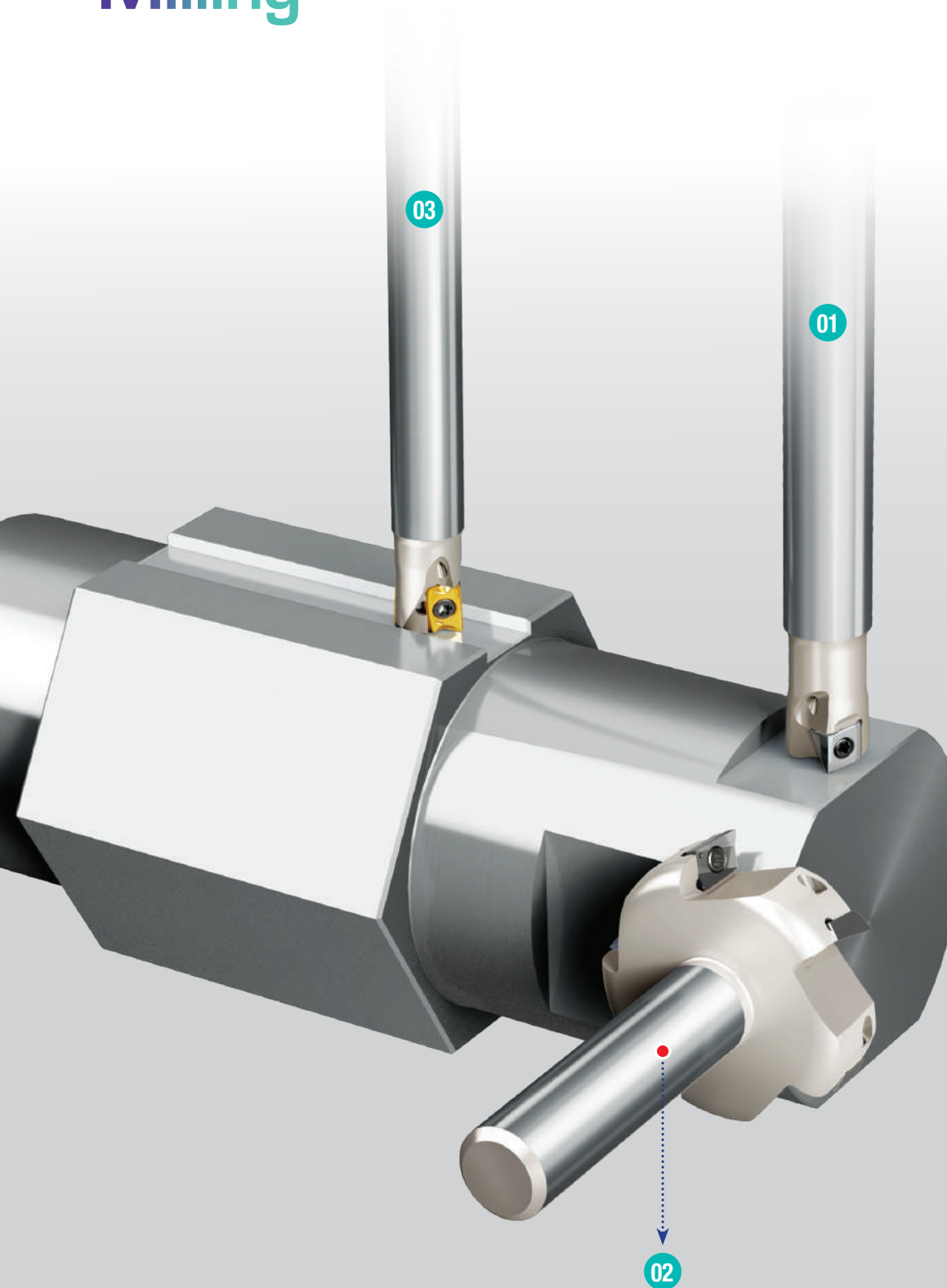
For low carbon



SOMT-DA

For non-ferrous





Milling

01 TANGSPEED

Cutter Diameter: Ø10-30 mm
Shank dia: 10, 12 mm



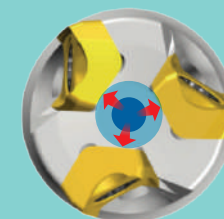
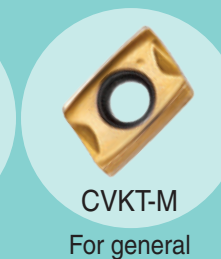
02 CHASEMILL

Cutter Diameter: Ø08-30 mm
Shank dia: 5, 6, 7, 10 mm



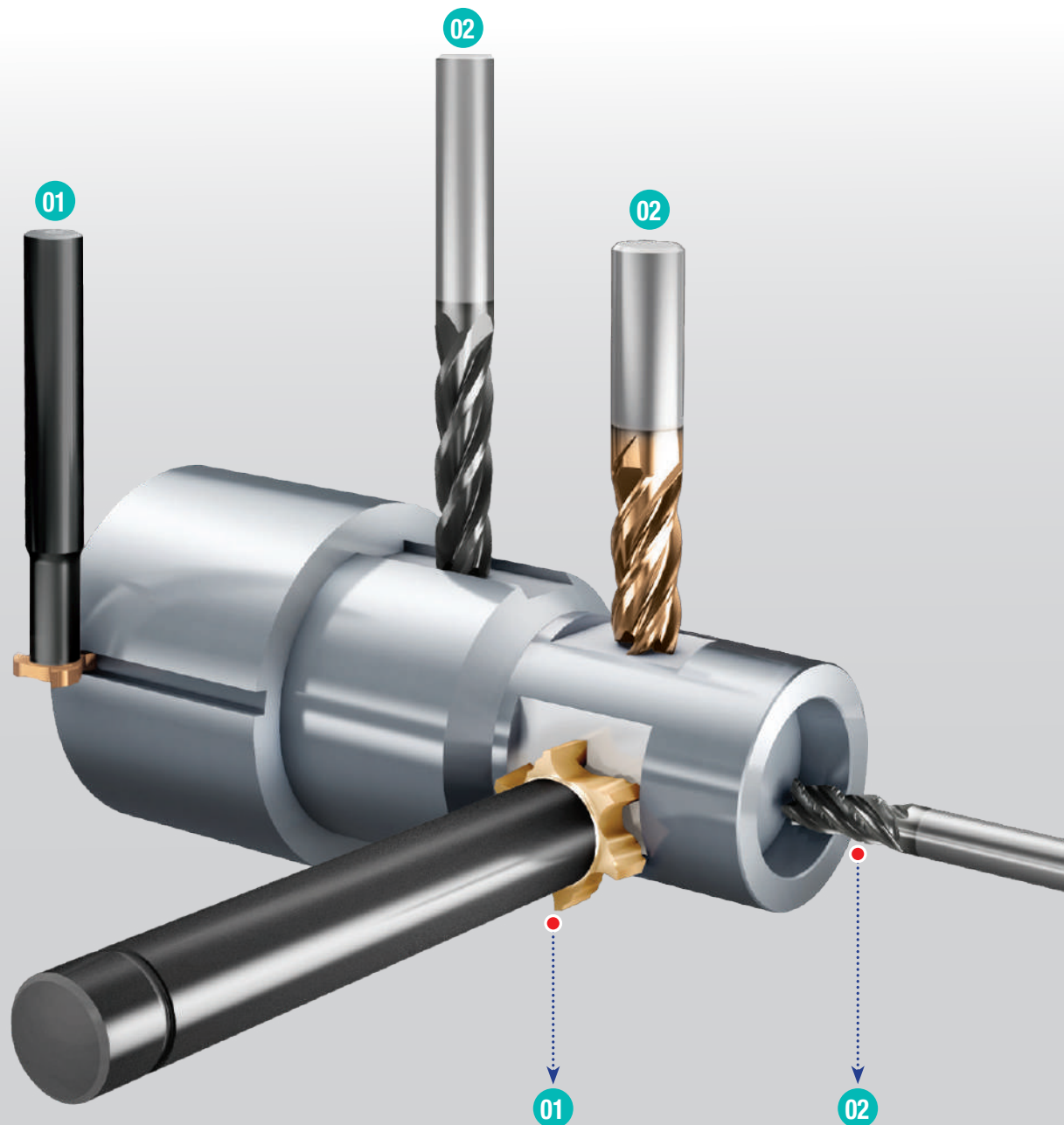
03 WINMILL

Cutter Diameter: Ø06-14 mm
Shank dia: 6, 8, 10, 12 mm



Rigid larger core body, more teeth

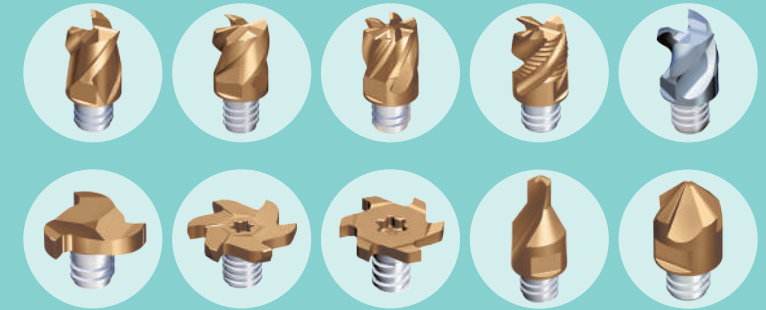
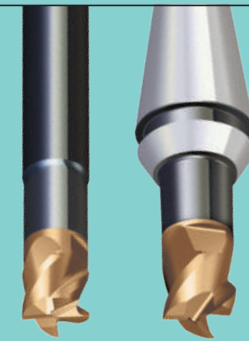
Solid End Mills



Solid End Mills

Solid End Mills

01 MAXIRUSH



Reduced downtime

Tool setting is eliminated by replacing the head.

Within **15 seconds**



02 Solid End Mills

Solid End Mill Lines for Various Applications

APEX MILL



For general



SLIKSOLID



For difficult-to-cut materials



For non-ferrous

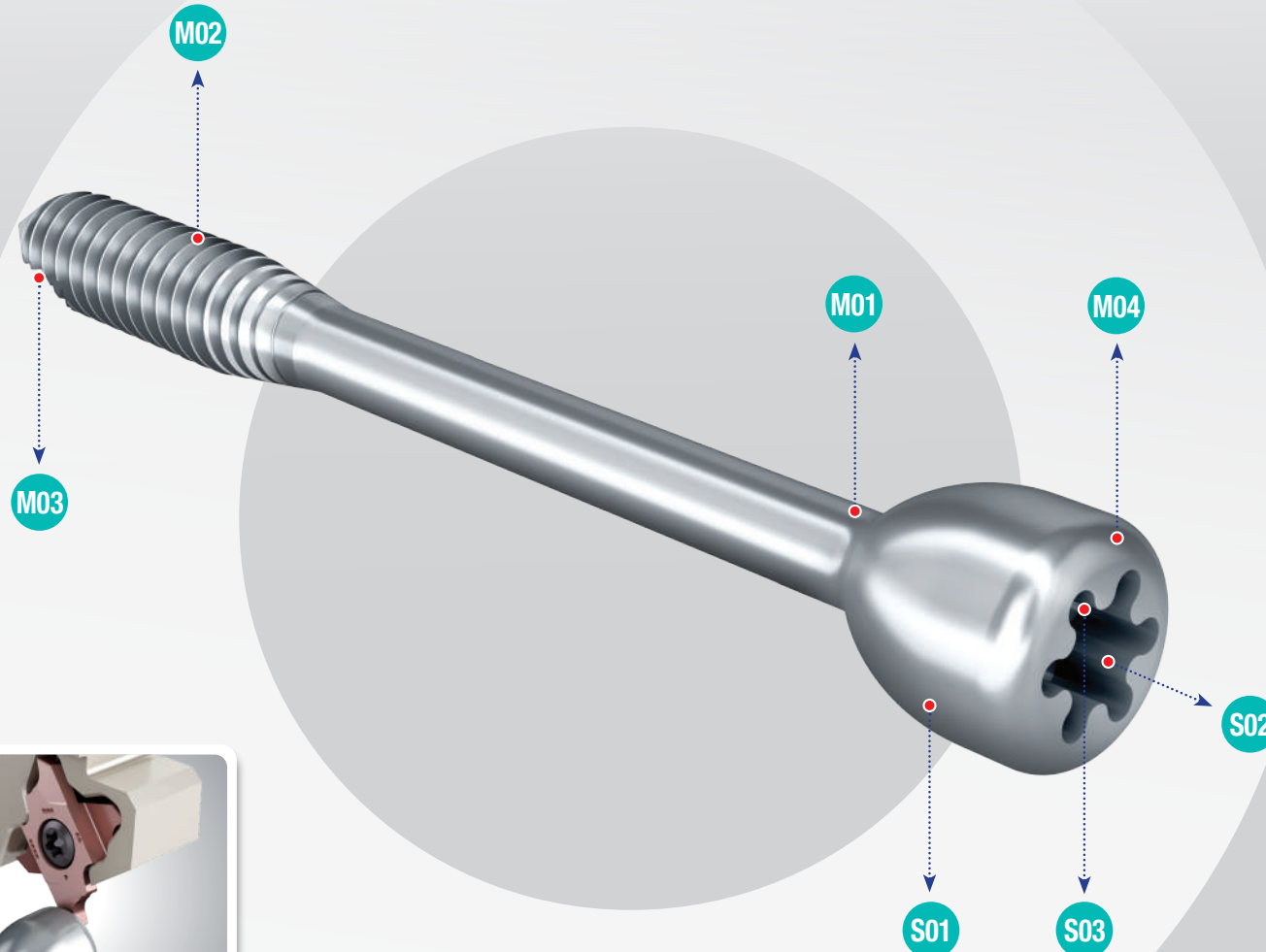
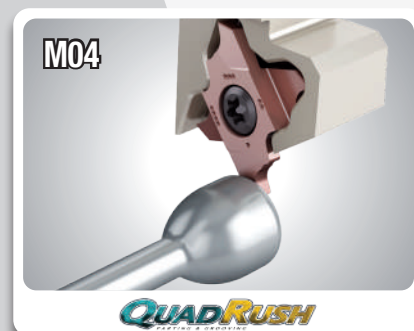
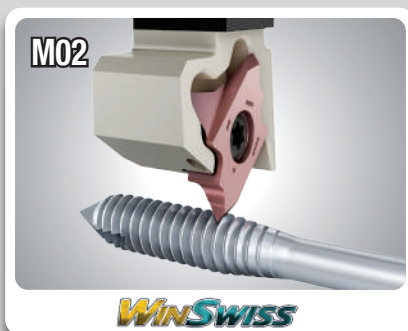
Tooling case study

Automotive Small Parts



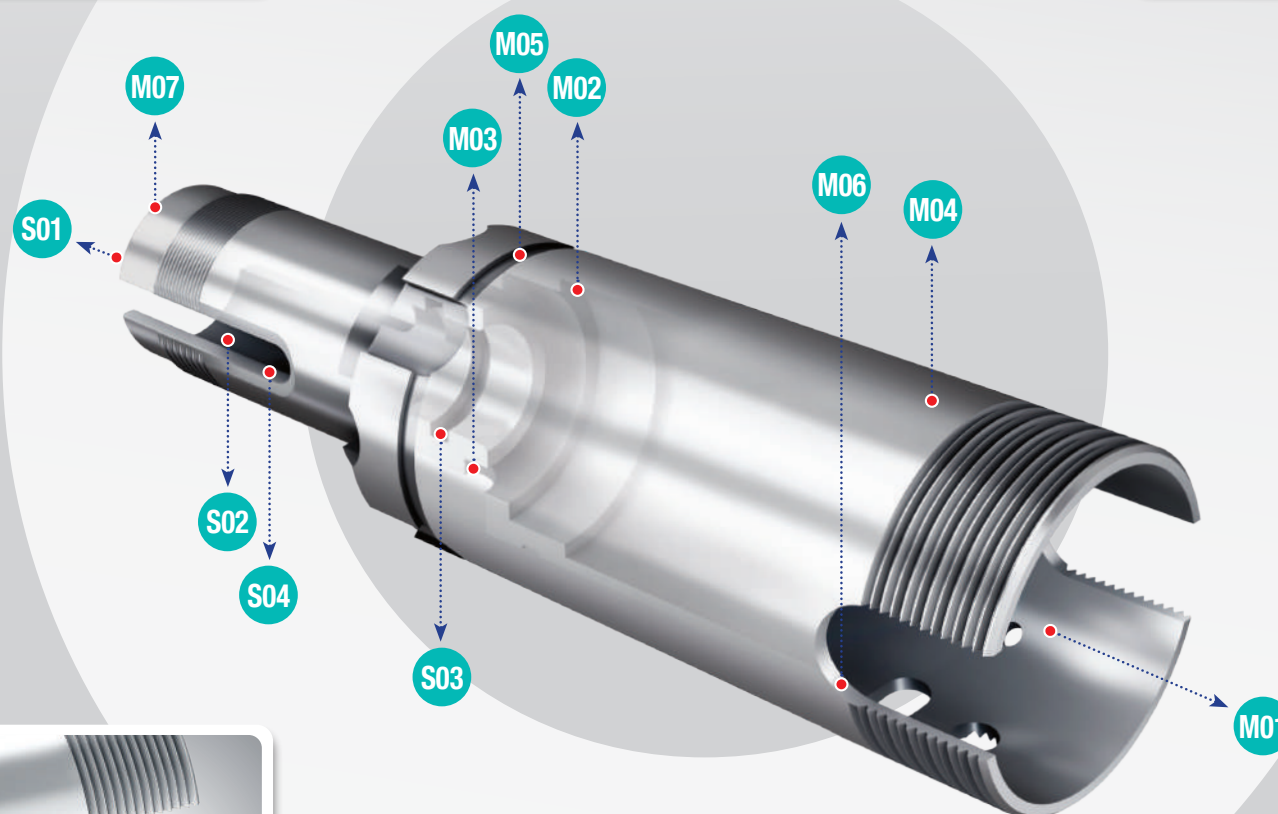
Tooling case study

Medical Small Parts



Tooling case study

Electronics Small Parts





Tool CutZZ

Your Knowledge Machining Link!



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Google play

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App Store