

TCEX16 Chamfer

ZANHO Cutting Tools



TCEX 16

— Chamfer Inserts —

Feature

ZANHO TCEX series: Triangular **3-edge indexable** insert with **pre-formed 45° corners** for precision chamfering and deburring. Enables direct C-angle machining without complex

programming. Features a specialized concave chipbreaker to prevent surface scratching from short chips. Optimized for light-load finishing of hole edges and outer contours in steel, stainless, and cast iron.

Descriptions

Technical Advantages

- **45° Pre-Formed Geometry:** All three corners feature built-in 45° cutting angles, allowing for instant C-chamfering on CNC milling machines without relying on complex tool path programming.
- **3-Edge Triangular Economy:** Triangular indexable design provides 3 effective cutting edges, significantly increasing insert utilization and lowering the cost per chamfered part.
- **Concave Chip Evacuation:** Engineered rake cavity specifically handles the short, abrasive chips produced during chamfering, preventing chip packing and protecting the finished workpiece surface.
- **Reinforced Edge Toughness:** Negative land (T-land) treatment on the cutting edge enhances impact resistance, ensuring stable performance in interrupted deburring cycles.
- **Universal Light Deburring:** Perfect for hole edges (screw holes, through-holes, countersinks) and outer contours in Steel, Stainless Steel, and Cast Iron.

Technical Specifications (mm)

Model Type	Length (L)	I.C (IC)	Thickness (S)	Hole (d)	Radius (RE)
TCEX16T304-TF	16.5	9.525	4.76	3.81	0.4
TCEX16T308-TF	16.5	9.525	4.76	3.81	0.8

High-Efficiency Deburring for Precision Holes

ZANHO TCEX series is designed for **TPMT-type 45° chamfering tool holders**. Contact us for bulk B2B inquiry and holder compatibility.