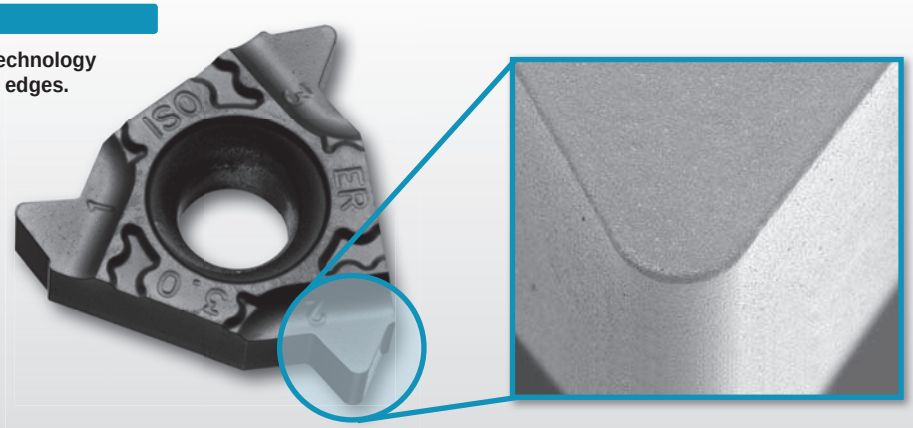
TF Series Threading Inserts

High quality edge and new grade insert PR1115 achieves long tool life.
Economical, owing to new molding technology

High Quality Cutting Edge

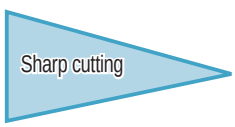
TF series

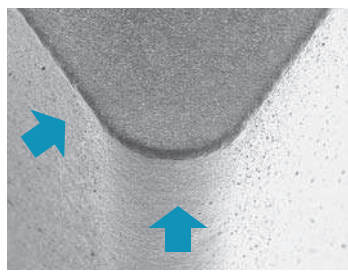
- **High precision fine molding technology produces high quality cutting edges.**



Cutting Edge close-up picture

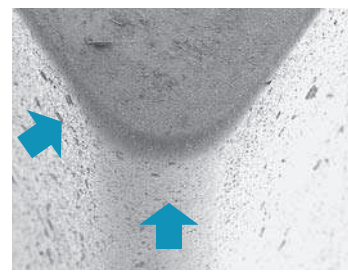
Consistent micro honing technology enables sharpness and high quality thread shape.





16ER150ISO-TF

Inconsistent edge honing condition.

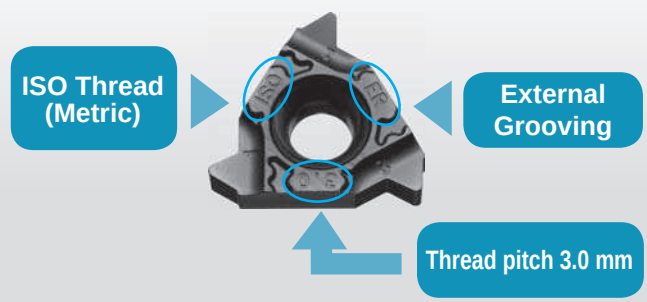


Competitor

Available for every standard screw thread.

Metric (M)	Tapered Pipe [R, Rc (PT), (BSPT)]
Unified (UN)	60°Angle (Partial Profile)
Parallel Pipe [G(PF)]	55°Angle (Partial Profile)
Whitworth (W)	

Clear makings provide user friendly insert identification.

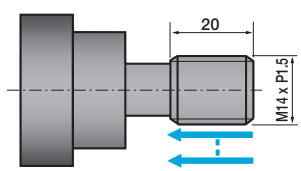


- **16··-TF** has the mark on its top face side, and **11··-TF** has the mark on its seating face side (bottom side).

Case Studies

15CrMo4 (SCM415)

- **Machine Part**
- **Vc=65m/min**
- **WET**



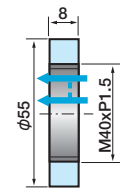
16ER150ISO-TF(PR1115)	1800 pcs/edge
Competitor A	600 pcs/edge

New TF Series extended the tool life 3 times compared to Competitor A.

(Evaluation by the user)

C25 (S25C)

- **Nut**
- **Vc=262m/min**
- **WET**



16IR150ISO-TF(PR1115)	500 pcs/edge
Competitor B	300 pcs/edge

New TF Series extended the tool life 1.7 times compared to Competitor B.

(Evaluation by the user)