

NEW

For cutting Thin Wall Tube

Patent Pending

Ferro Max Super Tube



Newly developed tip shape

Prevention of chipping is realized by minimizing a gap between the tip and body for life stabilization



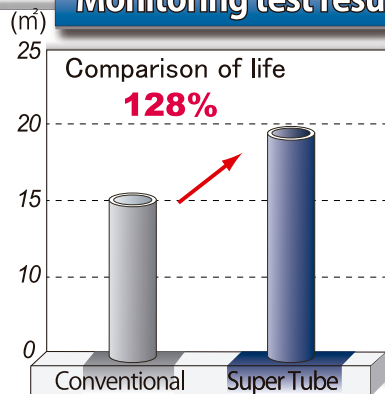
Eliminating the gap between the tip and body prevents damage.

Prevention of heat damage on tip

Newly developed tip and specialized tooth angle prevent heat crack and adhesion which improve tool life

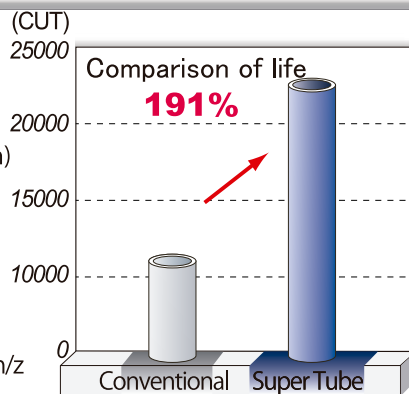
| | |
|-------------------|--|
| Application | (Thin wall tubes) Thickness : 1~5mm Tensile strength : $\leq 1000\text{N/mm}^2$ |
| Machines | High-speed tube cutting machine |
| Cutting parameter | V=200~300 m/min Sz=0.03-0.04/0.12-0.18/0.03-0.04 mm/z |
| EdgeMaterial | Coated Tungsten Carbide |

Monitoring test result



User A

- Work piece Carbon steel (low-middle tension) $\phi 19-52, t1-3.5$
- Dimension $\phi 350 \times 140z$
- Cutting parameter V=260-280 m/min Sz=0.035/0.16/0.035 mm/z



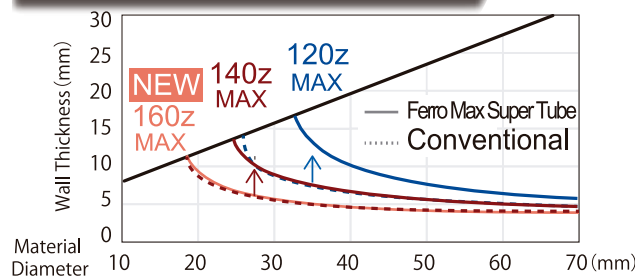
User B

- Work piece Carbon steel (E235, E355) $\phi 20-22, t1.5-2$
- Dimension $\phi 350 \times 140z$
- Cutting parameter V=233 m/min Sz=0.03 mm/z

Representative dimension

| Dia. | Kerf | Number of teeth |
|------------|------|----------------------------|
| $\phi 285$ | 2.0 | 120 / 140 / NEW 160 |
| $\phi 350$ | 2.5 | 140 / 160 / NEW 180 |
| $\phi 350$ | 2.7 | 140 / 160 / NEW 180 |

Application range ($\phi 285$)



* For the improvement products, the appearance and specification of this product could be changed without announcement.