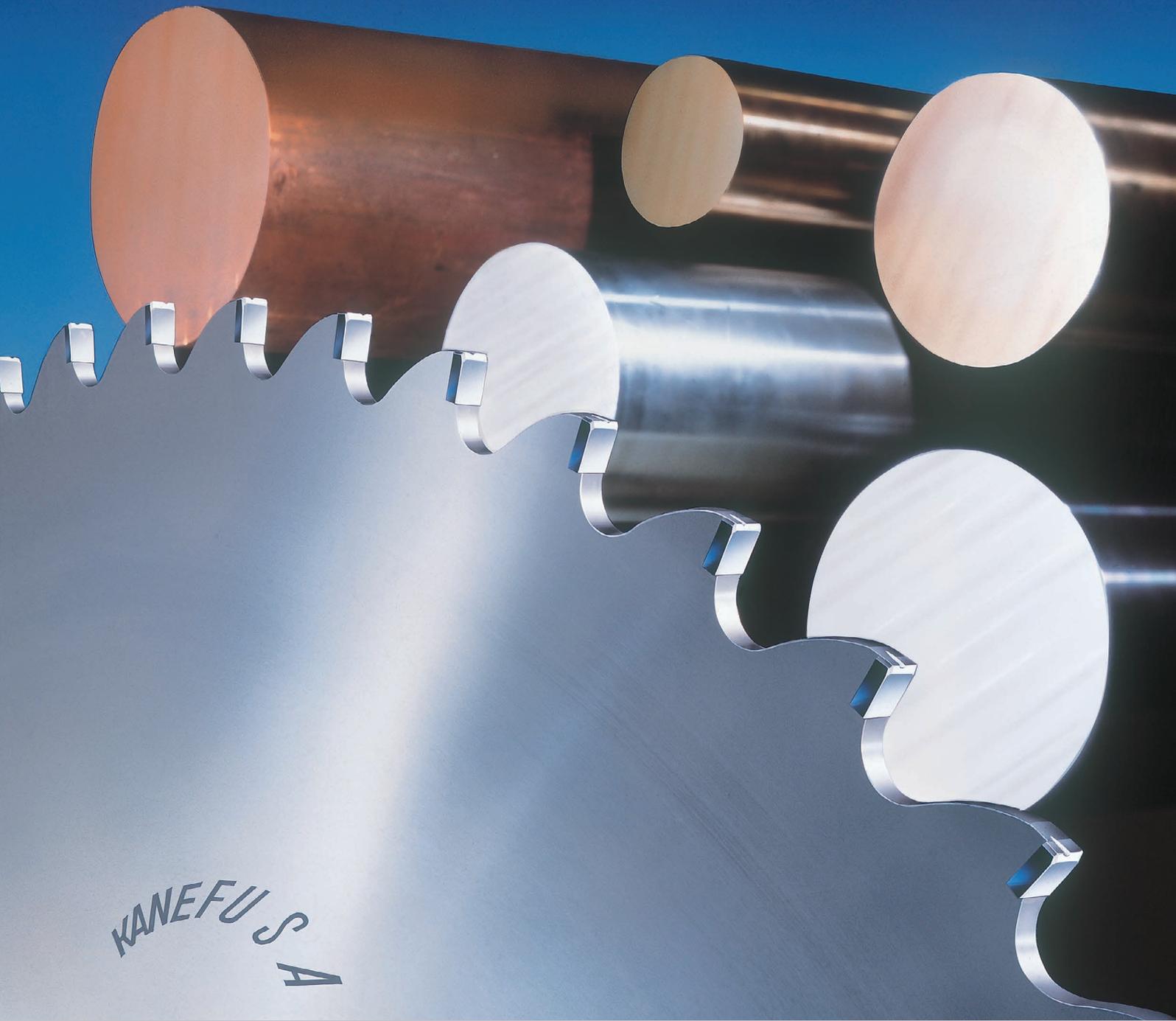


KANEFUSA

# Cold Sawblade



*Kanefusa - A New Dimension of Performance*



JQA-QM3710



JQA-EM3137  
Head Office  
Factory

Specifications and appearance are subject to change without notice.  
Photographs and illustrations may vary from actual products.

**0-55E-5**  
[Class] [Article] [Revision]

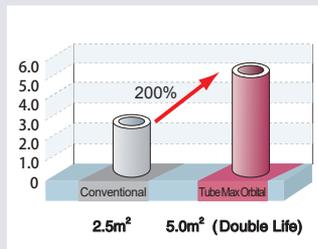
# Advantages

## 1 / Features

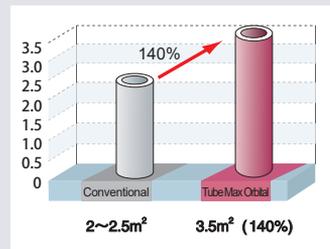
- 1 Kanefusa uses only the very best steel for its sawblades. After heat treatment, the saw plate is very flat. Kanefusa's proprietary flattening and surface grinding process ensure that the plate is distortion free and has a uniform thickness. A good plate with high rigidity is essential for straight running of sawblades.
- 2 A special carbide, which is exclusive to Kanefusa, was developed in cooperation with a leading carbide manufacturer. The carbide was designed for cutting to metals clearly outlast conventional carbide.
- 3 Our special brazing technology leads to a higher braze joint strength and therefore teeth are firmly attached to the plate to prevent carbide breakage.
- 4 High sawing accuracy can be achieved thanks to our high quality products, which is distortion free and uniform thickness of material.
- 5 Due to originally developed coating, our cold sawblades provide the longest lifetime and stable performance for the maximum productivity and the lowest cost per cut.

## 2 / Field test at user (Tube Max Orbital)

Material: STKR400 or equivalent  
203.2~101.6 x t 12.7mm  
Sawblade Size: 380 x 3.7 x 66Z  
Parameters: V=358 m/min  
Fz=0.16 mm/z

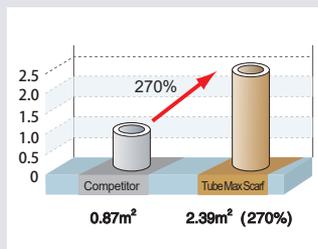


Material: STKR400 139.8 x t 4.5mm  
Sawblade Size: 355 x 3.1 x 72Z  
Parameters: V=600 m/min  
Fz=0.14 mm/z

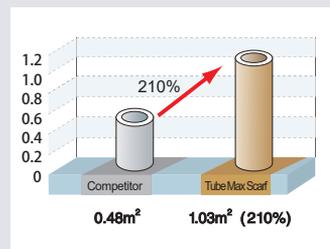


## 3 / Field test at user (Tube Max Scarf)

Material: SGP80A 89.1 x t 2.8etc.  
(Small welding bead)  
Sawblade Size: 550 x 3.6 x 132Z  
Parameters: V=650 m/min  
Fz=0.08 mm/z



Material: SAE1018 38.1 x t 3.2etc.  
(Big welding bead)  
Sawblade Size: 550 x 3.5 x 120Z  
Parameters: V=330 m/min  
Fz=0.06 mm/z



## 4 / Kanefusa Oil Lubricant

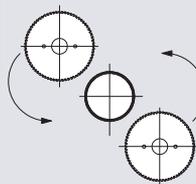
For best performance of the sawblades, we recommend original Kanefusa oil lubricant.

Material	Mist fluid	Composition	Dropping speed (1drop)	Characteristics
Mild steel	Supralube 25-II	Vegetable ester	5-6 s	High viscosity
Stainless steel	Supralube 60S	Sulfur mineral	1-2 s	Stainless steel, die steel
Non - ferrous steel	Supralube 10P	Distilled vegetable ester	2-5 s	Odorless, low viscosity



# Product Line Up

## Tube Max Orbital



**Application:** For pipe cutting with an orbital flying cut-off machine

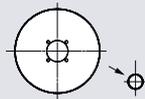
**Cutting material:** ERW pipes, Welded pipes

**Edge Material:** Coated Tungsten Carbide

- ▶ **Improved blade shape and coating achieve better wear-resistance and product lifetime. Maintains stability even when cutting high-tensile steel pipes at high speeds (600m/min), making it possible to increase productivity by speeding up the manufacturing line.**

PAT.US10583505, EP3305450B1, CN ZL201680049006.5, RU2686989C1

## Tube Max Scarf



With scarf  
→ unfixed welding beads

**Application:** For pipe cutting with a single and twin flying cut-off machine

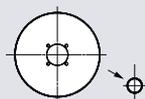
**Cutting material:** ERW pipes, Welded pipes with scarfing (unfixed welding beads)

**Edge Material:** Coated Tungsten Carbide

- ▶ **Improved tooth shape and wear-resistant tip grade minimize product defects that occur due to scarfs (unfixed welding beads) on the pipe.**
- ▶ **The proprietary coating realizes a longer service life and improve product stability.**

PAT. EP2949414, CN ZL201480010372.0

## Tube Max



Without scarf  
→ fixed welding beads

**Application:** For pipe cutting with a single and twin flying cut-off machine

**Cutting material:** ERW pipes, Welded pipes without scarfing (unfixed welding beads)

**Edge Material:** Coated tungsten carbide

- ▶ **Specialized in Heat- and wear-resistance more than Tube Max Scarf, for cutting without scarfs (unfixed weld beads) or less defects occurring due to scarfs.**
- ▶ **The proprietary coating realizes a longer service life and improve product stability.**

## Ferrous Cold Sawblade



**Application:** Cut solids and tubes

**Edge Material:** Cermet, Tungsten Carbide, and Coated Tungsten Carbide

**Lubricant:** Supralube 25

- ▶ **Universal application and high performance**

## Non-Ferrous Cold Sawblade



**Application:** Cut non-ferrous solids (Aluminum Alloy and Copper Alloy)

**Edge Material:** Tungsten Carbide  
**Lubricant:** Supralube 10P

- ▶ **Reliable performance for each customer's special requirement.**



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