

Saw Blades

for Non ferrous Metals

KANEFUSA

Sash Pro

Sash Pro-sw

Sash Pro-HV

Stable 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.

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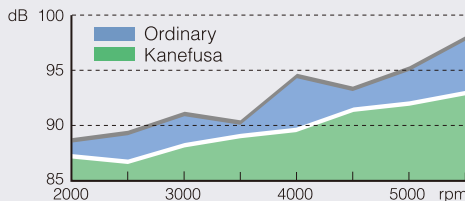
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Sash Pro

Reliable Performance



Noise comparison between a Kanefusa Sash Pro sawblade and an ordinary sawblade

1 Kanefusa uses only the best steel for its sawblades. After heat treatment, the saw plate is very flat. Kanefusa's proprietary flattening and surface grinding processes ensure plates that are distortion free and have uniform thickness. A good plate with high rigidity is essential for straight running of the saw.

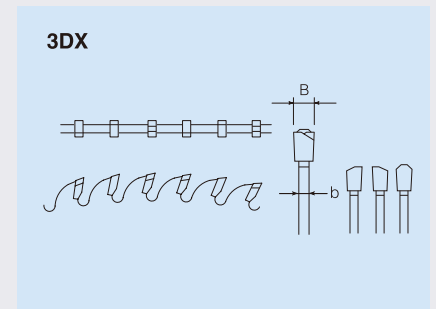
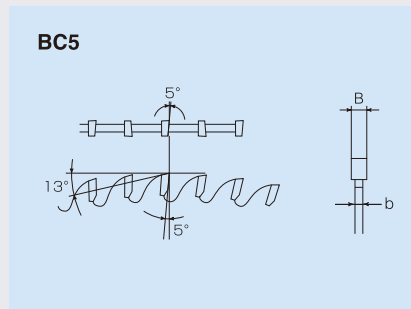
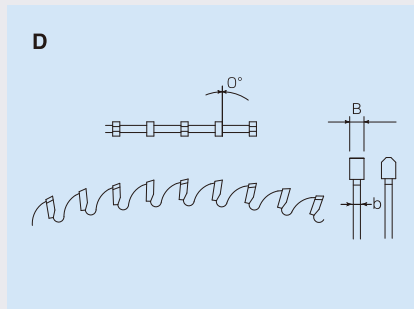
2 Kanefusa Sash Pro sawblades have polymer injected vibration damping elements incorporated into the plate (LS-P Slits). Vibration is responsible for high tone noise, which causes hardness of hearing hazard, bad performance due to structural damage to the carbide grain and a bad cutting quality because of edge chipping or a waving cut.

3 Special carbide, which is exclusively available to Kanefusa, was developed in cooperation with a leading carbide manufacturer. The tungsten carbide was designed for cutting non-ferrous metals such as aluminium and clearly outlasts conventional carbides.

Tooth Geometries

Extruded Profiles 	3DX - Less cutting forces - Less bending of the material especially when cutting thin walled material such as lamellas or radiator fins - The cut quality is very consistent throughout the entire time of use - Runs very straight and less vibration
	BC5 - Less cutting forces - Cuts cleaner than 3DX or D - Less bending on thin walled material such as lamellas or radiator fins - Recommended for thin walled material (< 4mm)
	D - Straight sawing by symmetric tooth geometry - Very suitable cutting on thick walled material (> 4mm)
Solids 	D - Straight sawing by symmetric tooth geometry - Please ask us for the saw blade specification such as number of teeth.

Sash Pro Line Up



	Product No.	D [mm]	B [mm]	b [mm]	d [mm]	z	Pin Holes	Tooth Type	Hook Angle [°]				
1	681-B480-405	350	x	3.0	x	2.4	x	32	x	108	2/14/64	BC5	5
2	681-A630-405	400	x	3.5	x	3.0	x	30	x	120	2/12/64	BC5	5
3	681-B114-405	500	x	3.5	x	3.0	x	30	x	120	2/14/64	BC5	5
4	681-B482-405	530	x	4.0	x	3.4	x	30	x	140	2/14/64	BC5	5

	Product No.	D [mm]	B [mm]	b [mm]	d [mm]	z	Pin Holes	Tooth Type	Hook Angle [°]				
1	691-C432-405	215	x	2.2	x	1.6	x	30	x	60		D	-5
2	691-D207-405	250	x	3.0	x	2.4	x	32	x	80	2/11/63	D	5
3	691-B207-405	300	x	3.0	x	2.4	x	30	x	96	2/10/60+2/10.5/70	D	5
4	691-C604-405	300	x	3.0	x	2.4	x	32	x	96	2/11/63	D	5
5	691-A495-405	300	x	3.2	x	2.4	x	30	x	72	2/10/60	D	5
6	691-A792-405	300	x	3.2	x	2.4	x	30	x	96	2/12/63	D	5
7	691-D805-405	350	x	3.0	x	2.4	x	32	x	108	2/11/63	D	5
8	691-D137-405	350	x	3.0	x	2.5	x	40	x	84	2/11/63	D	5
9	691-A578-405	350	x	3.6	x	2.8	x	30	x	108	2/10/60	D	5
10	691-D428-405	352	x	3.6	x	2.8	x	30	x	108	2/10/60	D	5
11	691-A791-405	400	x	4.0	x	3.2	x	30	x	96	2/12/64	D	5
12	691-A580-405	420	x	4.0	x	3.2	x	30	x	100		D	5
13	691-C628-405	430	x	3.0	x	2.5	x	30	x	60		D	5
14	691-A551-405	450	x	4.0	x	3.2	x	30	x	108	2/12/64	D	5
15	691-D804-405	450	x	4.0	x	3.4	x	32	x	140		D	5
16	691-A925-405	500	x	4.0	x	3.4	x	30	x	120	2/10/60+2/13/70+2/12/63	D	5

Other sizes and tooth shapes are available upon request

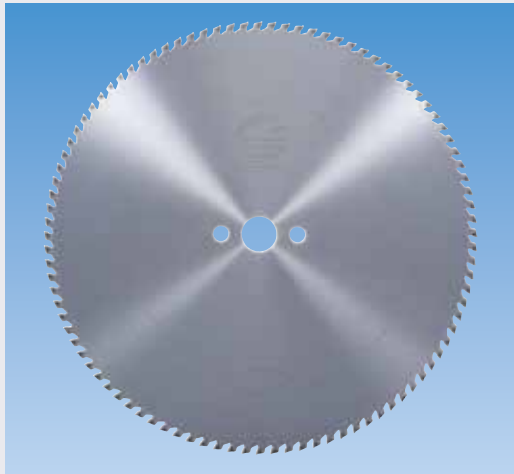
Sash Pro “Special Type”

KANEFU S A



Please let us know your cutting machine type and size/shape of material to be cut.

Non - Ferrous Metal sawing Sash Pro-sw



Preventing scratches on work materials which are caused by swarf during the transportation after cutting.

Non - Ferrous Metal sawing Sash Pro-HV



Burrs on the work material are reduced by high precision edge grinding.
Longer life by reducing initial burrs.
Beautiful cut surface such as a mirror.
★Applicable on each tooth geometry.

Improved the swarf collection efficiency by controlling swarf flow direction.



BHF Tooth

Uncollected swarf

Blade	Uncollected swarf
Sash Pro:3DX	0.180g
Sash Pro-sw	0.012g

93%
Less

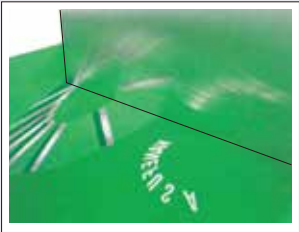


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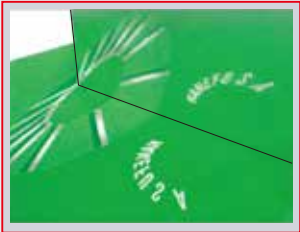


Improved the swarf collection efficiency by controlling swarf flow direction.

Cut surface

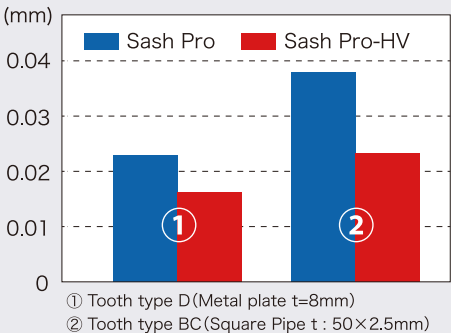


Sash Pro



Sash Pro-HV

Burr height



Sash Pro Stable Saw Blade

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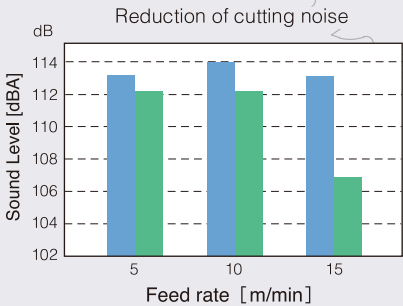
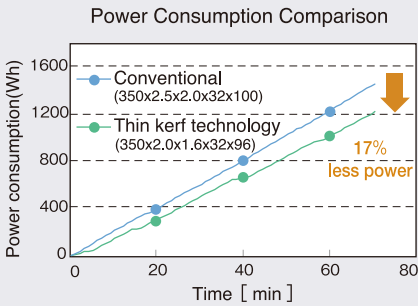


Multi-row circular laser slits innovated by KANEFUSA enhance lateral stability.

Plate thickness can be reduced up to 20 % in comparison to a regular plate.

4 Main benefits:

1. Better material yield rates 2. Less motor power 3. Noise damping 4. Burrs reducing



Saw blade
510 x 3.5 x 3.0 x 40 x 120
n = 3000rpm
V_f = 10m /min
Cutting material = A6063

Cutting solids

	D [mm]	B [mm]	b [mm]	z	Tooth Type	Hook Angle [°]	f l [mm]	N _{max}
1	300	x 3.0	x 2.0	x 30	D	15	93	2,700
2	350	x 3.5	x 2.5	x 36	D	15	108	3,200
3	400	x 3.5	x 2.5	x 42	D	15	124	2,800
4	450	x 3.5	x 2.5	x 48	D	15	140	2,500
5	500	x 3.5	x 2.5	x 54	D	15	155	2,250
6	550	x 4.0	x 3.0	x 60	D	15	170	2,000
7	600	x 4.0	x 3.0	x 66	D	15	186	1,850

f l = flange diameter

Cutting extruded profiles

	D [mm]	B [mm]	b [mm]	z	Tooth Type	f l [mm]	N _{max}
1	300	x 2.0	x 1.5	x 72	3DX	93	5,100
2	350	x 2.5	x 2.0	x 84	3DX	108	4,350
3	400	x 2.5	x 2.0	x 96	3DX	124	3,800
4	450	x 2.5	x 2.0	x 108	3DX	140	3,400
5	500	x 2.8	x 2.2	x 120	3DX	155	3,000
6	550	x 3.0	x 2.5	x 132	3DX	170	2,800
7	600	x 3.2	x 2.6	x 138	3DX	186	2,500

f l = flange diameter

Stable Sawblades are manufactured upon order.



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