

GLOBAL SAW

General Catalog

VOL.6.1

This catalog is the English version of a catalog of products for the Japanese market.

 **MOTOYUKI CO.,LTD.**



ISO 9001:2000 certification for Motoyuki Co., Ltd., Head Office
This company has acquired ISO 9001:2000 certification for further improvement of customer satisfaction in regard to design, development, manufacture, and after-sales service mainly for saw blades. We aim to offer goods and services with still higher quality, so that our customers can use our products safely.

Examples of applicable power tools

This catalog shows the suitable power tools for each circular blade with icons.

Circular saw with dust collector

C  A circular saw used mainly at the time of siding and cutting of new construction materials with a dust collector set to it.

Table circular saw

T  A table circular saw used mainly for cutting of wood, aluminum, etc.

T.C.T saw blade metal cutting machine (Small)

S  Small special cutter for saw blades, used mainly for cutting of steel and non-ferrous metals.

Cutter

Cu  Circular saw used for stone materials, used for cutting of concrete.
※Use of T.C.T saw blades is not possible.

Disk grinder

D  Used with installation of cutting disks or diamond cutters.
※Use of T.C.T saw blades is not possible.

Metal cutting circular saw

A  A circular saw with anti-dust cover, used mainly for cutting steel and non-ferrous metals.

Cordless circular saw

Co  Rechargeable portable circular saw.

T.C.T saw blade metal cutting machine (High-speed)

H  A high-speed saw blade cutter used mainly for cutting steel and non-ferrous metals.

Anti-dust cutter

An  A cutter with an anti-dust cover, used mainly for cutting new construction materials.

High-speed wheel cutter

Hi  Used with installation of a cutting wheel.
※Use of T.C.T saw blades is not possible.

Circular saw

Ci  General circular saw for wood.

Table slide circular saw

Ta  A table circular saw with a slide mechanism.

T.C.T saw blade metal cutting machine (Low-speed)

L  A low-speed saw blade cutter used mainly for cutting steel and non-ferrous metal.

Engine cutter

E  A cutter for civil engineering, used mainly with installed diamond blade.
※Use of T.C.T saw blades is not possible.

Special machine

Sp  Blades for installation to special machines.

How to read the catalog

Application

GLOBAL SAW "Fine metal" FM super high grade type for steel and stainless steel

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Toric. Outside thickness (mm)		Tooth type	Laser slit / Saw nose	JAN code 492250	Suitable power tool
							Steel	Stainless steel				
FM-80	80	1.6	1.2	20	16	15,000	4.0	2.0	CB-n		310016	C A
FM-100	100	1.6	1.2	20	22	13,000	4.0	2.0	CB-n		310023	C A
FM-110	110	1.6	1.2	20	24	13,000	4.0	2.0	CB-n		310030	C A
FM-125	125	1.6	1.2	20	28	9,600	4.0	2.0	CB-n		310047	C A
FM-160	160	1.6	1.4	20	34	6,000	6.0	3.0	CB-n	●	310054	C A
FM-180	180	1.6	1.4	20	38	5,500	6.0	3.0	CB-n	●	310061	C A S

※Cannot be used with disk grinders and high-speed cutters.

The icon of the suitable power tool is shown.

How to use the simple table and the suitable equipment notes

The general catalog permits search by "Simple table" and by "Suitable equipment notes". Please use these methods.

Steel material, 6 mm and more


- For steel and stainless steel
- For steel

Steel material, 6 mm standard

- For steel and stainless steel
- For steel

The suitable products for a material can be seen at a glance.

Circular saw with dust collector

C  A circular saw used mainly at the time of siding and cutting of new construction materials with a dust collector set to it.

The suitable power tools and model explanations are listed. They are shown as icons in this catalog.

GLOBAL SAW “Fine metal” FM super high grade type for steel and stainless steel



- Highest grade for steel and stainless steel
- Laser slit (low noise)
- Most suitable for steel material with a thickness of 6 mm or more
- Long life
- Smooth and sharp cutting because of many teeth



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness(mm)		Tooth type	Laser slit (low noise)	JAN code 4920350	Suitable power tool
							Steel	Stainless steel				
FM- 80	80	1.6	1.2	20	16	15,000	4.0	2.0	CB-n		310016	C A
FM-100	100	1.6	1.2	20	22	13,000	4.0	2.0	CB-n		310023	C A
FM-110	110	1.6	1.2	20	24	13,000	4.0	2.0	CB-n		310030	C A
FM-125	125	1.6	1.2	20	28	9,600	4.0	2.0	CB-n		310047	C A
FM-160	160	1.8	1.4	20	34	6,000	6.0	3.0	CB-n	●	310054	C A
FM-180	180	1.8	1.4	20	38	5,500	6.0	3.0	CB-n	●	310061	C A S
FM-205	205	1.8	1.4	25.4	42	4,500	8.0	3.0	CB-n	●	310078	A S
FM-305	305	2.2	1.8	25.4	56	1,700	10.0	6.0	CBnM	●	310085	L
FM-355	355	2.4	2.0	25.4	66	1,500	10.0	6.0	CBnM	●	310092	L
FM-415	415	2.6	2.2	25.4	80	1,100	14.0	6.0	CBnM	●	310108	L

※Cannot be used with disk grinders and high-speed cutters.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness(mm)		Tooth type	Pin holes			Laser slit (low noise)	JAN code 4920350	Suitable power tool
							Steel	Stainless steel		Number	Diameter (mm)	PCD (mm)			
FM-405KM	405	2.6	2.2	40	80	1,100	14.0	6.0	CBnM	2	11.0	65.0	●	310115	Sp Kousoku Denki:KCC-405 Sankomitachi:MSC-405
FM-405TA	405	2.6	2.2	31.75	80	1,100	14.0	6.0	CBnM	-	-	-	●	310122	Sp Tani Tec:TDC-405

※Cannot be used with high-speed cutters.

GLOBAL SAW “Fine metal” FR-S standard type for steel and stainless steel

NEW



- Standard type for steel and stainless steel
- Laser slit (low noise)
- Most suitable for steel material with a thickness up to 6 mm
- Good cost performance
- For cutting of lip steel, hanger rails, pipes, and other goods with relatively thin wall thickness



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness(mm)		Tooth type	Laser slit (low noise)	JAN code 4920350	Suitable power tool
							Steel	Stainless steel				
FR-100S	100	1.6	1.2	20	20	13,000	4.0	2.0	CB-n		000900	C A
FR-110S	110	1.6	1.2	20	22	13,000	4.0	2.0	CB-n		000917	C A Co
FR-125S	125	1.6	1.2	20	26	9,600	4.0	2.0	CB-n		000924	C A Co
FR-135S	135	1.4	1.2	20	26	6,000	4.0	2.0	D		000931	C A Co
FR-160S	160	1.8	1.4	20	32	6,000	6.0	3.0	CB-n	●	000948	C A
FR-180S	180	1.8	1.4	20	36	5,500	6.0	3.0	CB-n	●	000955	C A S Co
FR-305S	305	2.2	1.8	25.4	54	1,700	10.0	6.0	CB-n	●	000962	L
FR-355S	355	2.4	2.0	25.4	64	1,500	10.0	6.0	CB-n	●	000979	L

※Cannot be used with disk grinders and high-speed cutters.

GLOBAL SAW “Ohja” GLA-K high-grade type for steel and stainless steel

王者



- Best seller for steel and stainless steel
- Laser slit (low noise)
- Most suitable for cutting of medium-thickness material around 6 mm
- Good cutting
- Most suitable for a wide range of applications like checkered steel plates, grating, gas pipes, lining pipes, etc.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness(mm)		Tooth type	Laser slit (low noise)	JAN code 4920350	Suitable power tool
							Steel	Stainless steel				
GLA- 80K	80	1.6	1.2	20	14	15,000	4.0	2.0	CB-n		000610	C A
GLA-100K	100	1.6	1.2	20	20	13,000	4.0	2.0	CB-n		000627	C A
GLA-110K	110	1.6	1.2	20	22	13,000	4.0	2.0	CB-n		000634	C A
GLA-125K	125	1.6	1.2	20	26	9,600	4.0	2.0	CB-n		000641	C A
GLA-160K	160	1.8	1.4	20	32	6,000	6.0	3.0	CB-n	●	000658	C A
GLA-180K	180	1.8	1.4	20	36	5,500	6.0	3.0	CB-n	●	000665	C A S
GLA-185K	185	1.8	1.4	20	36	5,500	6.0	3.0	CB-n	●	000672	C A S
GLA-205K	205	1.8	1.4	25.4	40	4,500	8.0	3.0	CB-n	●	000689	A S
GLA-305K	305	2.2	1.8	25.4	54	1,700	10.0	6.0	CB-n	●	000696	L
GLA-355K	355	2.4	2.0	25.4	64	1,500	10.0	6.0	CB-n	●	000702	L
GLA-415K	415	2.6	2.2	25.4	78	1,100	14.0	6.0	CB-n	●	000719	L

※Cannot be used with disk grinders and high-speed cutters.

GLOBAL SAW “Ohja” FMS for stainless steel

王者



- For problematic cutting of stainless steel.
- The choice for saw blades for stainless steel, improved life.
- Tooth design for little burning burr after cutting and for sharp cutting.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	Laser slit (low noise)	JAN code 4920350	Suitable power tool
FMS-110K	110	1.6	1.2	20	22	13,000	2.0	CB-n		310306	C A
FMS-125K	125	1.6	1.2	20	26	9,600	2.0	CB-n		310313	C A
FMS-160K	160	1.8	1.4	20	52	6,000	3.0	CB		310320	C A
FMS-180K	180	1.8	1.4	20	60	5,500	3.0	CB		310337	C A S
FMS-305K	305	2.0	1.6	25.4	80	1,700	6.0	CBnM	●	310344	L
FMS-355K	355	2.2	1.8	25.4	90	1,500	6.0	CBnM	●	310351	L

※Cannot be used with disk grinders and high-speed cutters.

GLOBAL SAW Low-noise type for steel



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	Laser slit (low noise)	JAN code 4920350	Suitable power tool
UFO-305	305	2.2	1.8	25.4	60	1,700	10.0	D	●	300253	L
UFO-355	355	2.4	2.0	25.4	70	1,500	10.0	D	●	300260	L

◀ Laser slit (low noise)

※ Cannot be used with high-speed cutters.

GLOBAL SAW High-speed type for steel



[Suitable models] T.C.T saw blade metal cutting machine : Shindaiwa LA120, SANKO SSC305, MAC MAC305 etc.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
HS-305	305	1.8	1.4	25.4	50	4,000	10.0	B	302066	H

※ Cannot be used with high-speed cutters.

GLOBAL SAW for stainless demolition work



• Most suitable for stainless steel with a thickness of 8 to 10 mm!

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
KT-180-60	180	1.8	1.4	20	60	5,500	10.0	CB	000283	C A S

※ Cannot be used with disk grinders.

GLOBAL SAW for reinforcing steel

Special features

- Tough chips with excellent wear resistance and improved durability
- Prevention of base metal destruction by an original tooth shape
- Sharp cutting with number of teeth and tooth thickness optimized for rebar

FD-135A Approved by the Japan Pressure Welding Society

FD-135A performance data

Cutter: SDC32B

Steel type	Diameter	Cutting capacity	Average cutting time
SD345	D25	1,000pcs.	7.1sec.
	D32	1,000pcs.	14.2sec.
SD390	D25	1,000pcs.	7.3sec.
	D32	1,000pcs.	16.8sec.



Product code	Number of sawblades (per package)	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Pin holes			Max. use speed (min ⁻¹)	Rebar thickness which can be cut (D)	Tooth type	JAN code 4920350	Suitable power tool
							Number	Diameter (mm)	PCD (mm)					
FD-100	5pcs.	100	1.4	1.2	25(20)	22	3	3.7	36	13,000	Up to D19	Dn	320428	Sp Ci A
FD-135A	5pcs.	135	1.4	1.1	22.23	30	1	3.5	40	-	Up to D32	Dn	000085	Sp
FD-135iS	5pcs.	135	1.6	1.2	22	30	1	5.0	50	-	Up to D32	Dn	320329	Sp
FD38-135	5pcs.	135	1.6	1.2	24	30	1	4.8	40	-	Up to D38	Dn	320336	Sp
FD-180	5pcs.	180	2.0	1.6	20	32	-	-	-	5,500	Up to D51	CB-n	320312	C A S
FD51-180	5pcs.	180	2.0	1.6	32	32	1	5.8	48	-	Up to D51	CB-n	320343	Sp
FD-200	1pc.	200	1.8	1.4	31.75	40	1	4.5	65	-	Up to D51	Dn	320367	Sp
FD-305	1pc.	305	2.0	1.6	25.4	48	-	-	-	1,700	Up to D38	D	000399	L

※ Cannot be used with disk grinders.

GLOBAL SAW For lip steel steel, steel



Product code	Number of sawblades (per package)	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
CH-180	5pcs.	180	1.8	1.4	20	36	5,500	3.2	CB-n	320909	C A S

※ Cannot be used with disk grinders.

GLOBAL SAW For steel and stainless steel



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
GTS-180-40	180	1.8	1.4	20	40	5,500	3.2	CB-n	000788	C A S

※ Cannot be used with disk grinders.

GLOBAL SAW for spiral ducts

For spiral ducts



- Long life by use of tough T.C.T
- Selection from 2 types by characteristics
 - Long-life type 32P with emphasis on cutting
 - Type 42P for smooth cutting with emphasis on prevention of T.C.T loss

Multi-type



- Wide range of applications for angles with holes, bolts, spiral ducts, etc.
- Long-lasting good cutting

Only for stainless steel spiral ducts



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Pipe thickness which can be cut (mm)	Tooth type	JAN code 4920350	Suitable power tool
SP-110-32	110	1.8	1.4	20	32	13,000	3.2	CB-n	322002	C A Co An
SP-110-42	110	1.8	1.4	20	42	13,000	3.2	CB-n	322019	C A Co An
SPK-110-28	110	1.6	1.2	20	28	13,000	3.2	CB-n	322071	C A Co An
SPS-110-40	110	1.2	1.0	20	40	13,000	-	CB-n	322026	C A Co An

※ Cannot be used with disk grinders.

GLOBAL SAW for aluminum and non-ferrous metals

For aluminum

For aluminum, copper, and other standard cutting.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Approx. Cuttable thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
GA-100E	100	1.6	1.2	20	36	13,000	Up to 3.0	BC	200713	C A
GA-110E	110	1.6	1.2	20	36	13,000	Up to 3.0	BC	200720	C A Co
GA-125E	125	1.8	1.4	20	40	9,600	Up to 3.0	BC	200737	C A Co
GA-160E	160	2.0	1.6	20	50	6,000	Up to 3.0	BC	200744	C A Ta
GA-180E	180	2.0	1.6	20	54	5,500	Up to 3.0	BC	200751	C A S Ta Co
GA-190E	190	2.0	1.6	20	60	5,500	Up to 3.0	BC	300307	C A S Ta

※ Cannot be used with disk grinders.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
GA-210- 80	210	2.2	1.7	25.4	80	5,000	BC	300505	T Ta Sp
GA-210-100	210	2.2	1.7	25.4	100	5,000	BC	300512	T Ta Sp
GA-216- 80	216	2.2	1.7	25.4	80	5,000	BC	300529	T Ta Sp
GA-216-100	216	2.2	1.7	25.4	100	5,000	BC	300536	T Ta Sp
GA-255- 80	255	2.4	1.9	25.4	80	4,000	BC	300543	T Ta Sp
GA-255-100	255	2.4	1.9	25.4	100	4,000	BC	300550	T Ta Sp
GA-255-120	255	2.4	1.9	25.4	120	4,000	BC	300567	T Ta Sp
GA-260- 80	260	2.4	1.9	25.4	80	4,000	BC	300574	T Ta Sp
GA-305-100	305	2.8	2.2	25.4	100	4,000	BC	300581	T Ta Sp
GA-305-120	305	2.8	2.2	25.4	120	4,000	BC	300598	T Ta Sp
GA-355-100	355	2.8	2.2	25.4	100	3,500	BC	300604	T Sp
GA-355-120	355	2.8	2.2	25.4	120	3,500	BC	300611	T Sp
GA-380-100	380	2.8	2.2	25.4	100	3,500	BC	300628	T Sp
GA-380-120	380	2.8	2.2	25.4	120	3,500	BC	300635	T Sp
GA-405-100	405	3.0	2.4	25.4	100	3,500	BC	300642	T Sp
GA-405-120	405	3.0	2.4	25.4	120	3,500	BC	300659	T Sp
GA-455-100	455	3.0	2.4	25.4	100	3,500	BC	300666	T Sp
GA-455-120	455	3.0	2.4	25.4	120	3,500	BC	300673	T Sp

For non-ferrous metals

For cutting of thick aluminum, copper, and other alloys.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
GB-205- 80	205	2.8	2.2	25.4	80	5,000	D	001648	T Ta Sp
GB-255- 80	255	2.8	2.2	25.4	80	4,000	D	001655	T Ta Sp
GB-255-100	255	2.8	2.2	25.4	100	4,000	D	001662	T Ta Sp
GB-305-100	305	3.0	2.5	25.4	100	4,000	D	001679	T Ta Sp
GB-355-100	355	3.0	2.5	25.4	100	3,500	D	001686	T Sp
GB-355-120	355	3.0	2.5	25.4	120	3,500	D	001693	T Sp
GB-380-100	380	3.0	2.5	25.4	100	3,500	D	001709	T Sp
GB-380-120	380	3.2	2.5	25.4	120	3,500	D	001716	T Sp
GB-405-100	405	3.2	2.5	25.4	100	3,500	D	001723	T Sp
GB-405-120	405	3.2	2.5	25.4	120	3,500	D	001730	T Sp
GB-455-120	455	3.5	3.0	25.4	120	3,500	D	001747	T Sp

※ Cannot be used with high-speed cutters.

NEW



For spandrel

- For spandrel
- Most suitable for spandrel with many bends
- Type with emphasis on clean cutting and little burr by good tooth engagement and use of chips with high heat resistance
- Use of the most suitable tooth shape for spandrel
- Sharp cutting with reduced cutting resistance because of thin tooth design
- Clean cuts with little burr



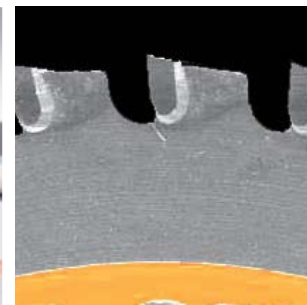
Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Max. possible iron cutting thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
KP- 80	80	1.0	0.8	20	30	15,000	1.2	CB-n	000726	C A
KP-100	100	1.0	0.8	20	36	13,000	1.2	CB-n	000733	C A
KP-110	110	1.0	0.8	20	40	13,000	1.2	CB-n	000740	C A Co An
KP-125	125	1.2	1.0	20	46	9,600	1.2	CB-n	000757	C A Co
KP-160	160	1.4	1.2	20	56	6,000	1.2	CB-n	000764	C A
KP-180	180	1.4	1.2	20	60	5,500	1.2	CB-n	000771	C A Co

※Cannot be used with disk grinders.



Multi-type

- Multi-type with shallow chip pocket, little break off, and stable cutting
- Use of well-balanced T.C.T for cutting of metal siding or thin steel plate
- Thin pocket design, suppression of excessive cut-in
- Reduced T.C.T loss because of backing metal with increased volume



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Max. possible iron cutting thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
KS- 80H	80	1.0	0.8	20	30	15,000	1.2	CB-n	301946	C A
KS-100H	100	1.0	0.8	20	36	13,000	1.2	CB-n	301953	C A
KS-110H	110	1.0	0.8	20	40	13,000	1.2	CB-n	301960	C A Co An
KS-125H	125	1.2	1.0	20	46	9,600	1.2	CB-n	301977	C A Co
KS-160H	160	1.4	1.2	20	56	6,000	1.2	CB-n	301984	C A
KS-180H	180	1.4	1.2	20	60	5,500	1.2	CB-n	301991	C A Co

※Cannot be used with disk grinders.

■ Spandrel



■ Cutting area comparison



▲ KP-100 (100×1.0×20×36) ▲ Normal commercial product (for sheet metal)

■ Test conditions/Cutter: Hitachi C4YA1 (13,000 rpm)
Cut material: spandrel, plate thickness: 0.5 mm, width: 190 mm, height: 18 to 20 mm, length: 1000 mm

■ Metal siding



GLOBAL SAW "MK Professional Use Specifications" for metal siding and galvanized sheet metal



Type with emphasis on long life

- Tooth tips designed especially for galvanized material
Good discharge of cutting T.C.T with urethane material etc.
Type with emphasis on long life
- In addition to metal siding, cutting of acryl, plastics, etc. also is possible.



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Max. possible iron cutting thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
MK- 80H	80	1.0	0.8	20	30	15,000	1.2	CB-n	201079	C A
MK-100H	100	1.0	0.8	20	36	13,000	1.2	CB-n	201086	C A
MK-110H	110	1.0	0.8	20	40	13,000	1.2	CB-n	201093	C A Co An
MK-125H	125	1.2	1.0	20	46	9,600	1.2	CB-n	201109	C A Co
MK-160H	160	1.4	1.2	20	56	6,000	1.2	CB-n	201116	C A
MK-180H	180	1.4	1.2	20	60	5,500	1.2	CB-n	201123	C A Co

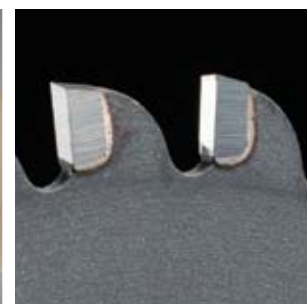
※Cannot be used with disk grinders.

GLOBAL SAW "BK Professional Use Specifications" for metal siding and galvanized sheet metal



Type with emphasis on cutting

- For sheet metal and thin steel plate, correspondence to a wide range of materials to be cut
- Use of chips most suitable for sheet metal
- Smooth cutting with suppressed fluttering



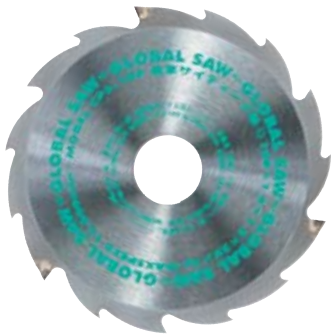
Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Max. possible iron cutting thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
BK- 80E	80	1.0	0.8	20	30	15,000	1.0	CB-n	200300	C A
BK-100E	100	1.0	0.8	20	36	13,000	1.0	CB-n	200317	C A
BK-110E	110	1.0	0.8	20	40	13,000	1.0	CB-n	200324	C A Co An
BK-125E	125	1.2	1.0	20	42	9,600	1.0	CB-n	200331	C A Co
BK-160E	160	1.4	1.2	20	56	6,000	1.0	CB-n	200355	C A
BK-180E	180	1.4	1.2	20	60	5,500	1.0	CB-n	200362	C A Co
BK- 216	216	1.8	1.5	25.4	80	5,000	1.5	CB-n	200386	C A

※Cannot be used with disk grinders.

GLOBAL SAW cutting material suitability table

○Cutting possible ◎Good cutting

Product code	Galvanized steel plate	Spandrel	Metal siding	Galvanized sheet steel, tinplate	This steel plate (max. 10 mm)	Light ceiling material	Acryl plate	PVC corrugated sheet	Thin-walled pipes	Metal gutters
KP	○	◎	○	○	○	○	○	○	○	◎
KS	○	○	○	○	◎	○	○	○	○	○
MK	◎	○	◎	○	○	○	◎	○	○	○
BK	○	○	○	○	○	○	○	○	○	○



CP3 Emphasis on costs

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
CP3-100	100	1.9	1.3	20	3	13,000	B	320763	C A Ci

※ Cannot be used with disk grinders.



CP5 Emphasis on speed

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
CP5- 80	80	1.9	1.3	20	5	15,000	B	320787	C A Ci
CP5-100	100	1.9	1.3	20	5	13,000	B	320879	C A Ci
CP5-110	110	1.9	1.3	20	5	13,000	B	320886	C A Ci An
CP5-125	125	1.9	1.3	20	5	9,600	B	320893	C A Ci

※ Cannot be used with disk grinders.



CP8A Emphasis on long life

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
CP8- 80A	80	1.8	1.2	20	8	15,000	B	320916	C A Ci
CP8-100A	100	1.8	1.2	20	8	13,000	B	320923	C A Ci
CP8-110A	110	1.8	1.2	20	8	13,000	B	320930	C A Ci An
CP8-125A	125	1.8	1.2	20	8	9,600	B	320947	C A Ci

※ Cannot be used with disk grinders.



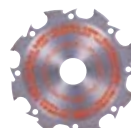
CP12A Emphasis on long life and cutting surface

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
CP12- 80A	80	1.8	1.2	20	12	15,000	CB-n	320954	C A Ci
CP12-100A	100	1.8	1.2	20	12	13,000	CB-n	320961	C A Ci
CP12-110A	110	1.8	1.2	20	12	13,000	CB-n	320978	C A Ci An
CP12-125A	125	1.8	1.2	20	12	9,600	CB-n	320985	C A Ci

※ Cannot be used with disk grinders.

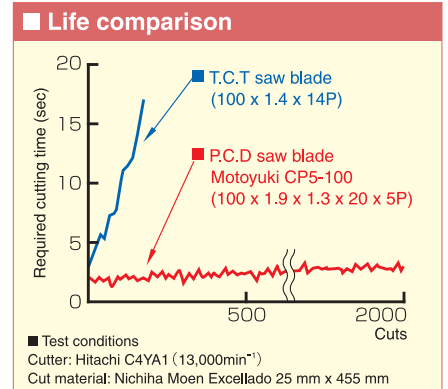


The G-mark is awarded to products with "Good quality", "Easy to use", and "Good balance as a product", and the social value us highly appreciated.



▲ CP8

A life at least 20 times longer than that of a saw with T.C.T saw blades!!





Emphasis on speed

Newly used! Saw blade with sweet smell. Blade type with excellent cutting T.C.T discharge. Type with emphasis on cutting performance and long life.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
TY- 80H	80	1.4	1.0	20	12	15,000	CB	201017	C A Ci
TY-100H	100	1.4	1.0	20	14	13,000	CB	201024	C A Ci
TY-110H	110	1.4	1.0	20	14	13,000	CB	201031	C A Ci An
TY-125H	125	1.4	1.0	20	16	9,600	CB	201048	C A Ci
TY-160H	160	1.4	1.0	20	20	6,000	CB	201055	C A Ci
TY-180H	180	1.4	1.0	20	22	5,500	CB	201062	C A Ci

※Cannot be used with disk grinders.



Multi-type

Little resistance at the time of cutting because of thin blade design. Multi-type with smooth cutting and excellent total balance.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
TZ- 80	80	1.4	1.0	20	12	15,000	CB	320022	C A Ci
TZ-100	100	1.4	1.0	20	14	13,000	CB	320039	C A Ci
TZ-110	110	1.4	1.0	20	14	13,000	CB	320046	C A Ci An
TZ-125	125	1.4	1.0	20	16	9,600	CB	320053	C A Ci
TZ-160	160	1.4	1.0	20	20	6,000	CB	320084	C A Ci
TZ-180	180	1.4	1.0	20	22	5,500	CB	320091	C A Ci

※Cannot be used with disk grinders.

NEW



Emphasis on costs

Reasonable type with excellent cutting performance and life.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
TK- 80	80	1.4	1.0	20	12	15,000	CB	001006	C A Ci
TK-100	100	1.4	1.0	20	14	13,000	CB	001013	C A Ci
TK-110	110	1.4	1.0	20	14	13,000	CB	001020	C A Ci An
TK-125	125	1.4	1.0	20	16	9,600	CB	001037	C A Ci
TK-160	160	1.4	1.0	20	20	6,000	CB	001044	C A Ci
TK-180	180	1.4	1.0	20	22	5,500	CB	001051	C A Ci

※Cannot be used with disk grinders.

Ceramic siding board compatibility table

	Manufacturer	Manufacturer										Nozawa								
		Denko Gaiso	Kubota Matsushita	Nichitta			Asahi Tosten Gaiso	Nichiasu	Toray ACE	A&A Material	Ube Board		Kamishima Kagaku Kogyo	Noda	INAX	Showa Denko Kenzai	Mitsubishi Material Kenzai			
●Good cutting	Product name	Ceradil	Neolock	Exerage	Moen Regendoru	Moen Siding W.M.S.	Moen New Grandoru	Moen Exerado	AT- Wall	Emboss Siding	Kanpeki	Torestage	Kabe Ichiban	UB Board	Kamishima Fireproof Siding	Noda FR Siding	Exeria	Lambda (extruded cement board)	Mace (no steel wires)	Aslock (no steel wires)
○Cutting possible																				
×No cutting																				
P.C.D saw blade	CP3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
	CP5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○
	CP8A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	CP12A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
T.C.T saw blade	TY-H	●	●	●	×	●	●	×	●	●	●	●	●	●	●	○	×	×	×	×
	TZ	●	●	●	×	●	●	×	●	●	●	●	●	●	●	○	×	×	×	×
	TK	●	●	●	×	●	●	×	●	●	●	●	●	●	●	○	×	×	×	×

GLOBAL SAW for new building materials

NEW



Various purposes cutter

Powerful in all situations. Wood, resin, new building materials, fireproof asbestos double-wall pipes, corrugated tinplate, and other thin materials all can be cut with one blade.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
RC-125	125	1.5	1.0	20	42	9,600	CB	322118	C A Ci Co
RC-145	145	1.5	1.0	20	52	6,000	CB	322125	C A Ci
RC-165	165	1.6	1.1	20	56	6,000	CB	322088	C A Ci
RC-190	190	1.6	1.1	20	56	5,500	CB	322095	C A Ci

※ Cannot be used with disk grinders.

GLOBAL SAW for new building material boards



The sharp tooth tips cut even hard particle boards without problems. Double-walled fireproof asbestos pipes also can be cut.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
P-125	125	1.6	1.1	20	20	9,600	CB	321005	C A Ci Co
P-165	165	1.6	1.1	20	28	6,000	CB	321012	C A Ci
P-190	190	1.6	1.1	20	28	5,500	CB	321029	C A Ci

※ Cannot be used with disk grinders.

GLOBAL SAW for plasterboard



Most suitable also for kitchen panels. T.C.T with excellent wear resistance are used, sharp cutting because of thin blade design.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
SB-100	100	1.0	0.7	20	32	13,000	CB	321401	C A Ci
SB-110	110	1.0	0.7	20	34	13,000	CB	321418	C A Ci An Co
SB-125	125	1.0	0.7	20	38	9,600	CB	321425	C A Ci Co

※ Cannot be used with disk grinders.

GLOBAL SAW for cordless circular saws

NEW



20% better battery life because of thin blades. OK even in case of nails or screws in the cut.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Tooth type	JAN code 4920350	Suitable power tool
JKB-110	110	0.9	0.7	20	24	5,000	CB	322149	Co
JKB-125	125	0.9	0.7	20	26	4,500	CB	322156	Co

※ Cannot be used with disk grinders.

GLOBAL SAW for thin steel plate



Can be used for metal siding, thin iron plates, acryl, plastics, resin, plywood, etc.

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Max. use speed (min ⁻¹)	Max. possible iron cutting thickness (mm)	Tooth type	JAN code 4920350	Suitable power tool
SM-80E	80	1.5	1.1	20	30	15,000	0.5	CB-n	000405	C A
SM-100E	100	1.5	1.1	20	40	13,000	0.5	CB-n	000412	C A
SM-110E	110	1.5	1.1	20	40	13,000	0.5	CB-n	000429	C A Co An
SM-125E	125	1.6	1.2	20	46	9,600	0.5	CB-n	000436	C A Co
SM-160E	160	1.8	1.4	20	60	6,000	0.5	CB-n	000450	C A
SM-180E	180	1.8	1.4	20	64	5,500	0.5	CB-n	000467	C A Co
SM-205	205	2.0	1.6	25.4	80	4,500	0.5	CB-n	001877	C A
SM-305	305	2.2	1.8	25.4	80	1,700	6.0	D	010077	L
SM-355	355	2.4	2.0	25.4	90	1,500	6.0	D	000894	L

※ Cannot be used with disk grinders.

GLOBAL SAW for PVC and plastics



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Tooth type	JAN code 4920350	Suitable power tool
EP-205	205	3.0	2.2	25.4	80	AB	001150	T Ta Sp
EP-255	255	3.0	2.2	25.4	100	AB	001167	T Ta Sp
EP-305	305	3.0	2.2	25.4	100	AB	001174	T Ta Sp
EP-355	355	3.0	2.2	25.4	100	AB	001181	T Ta Sp

※Cannot be used with high-speed cutters.

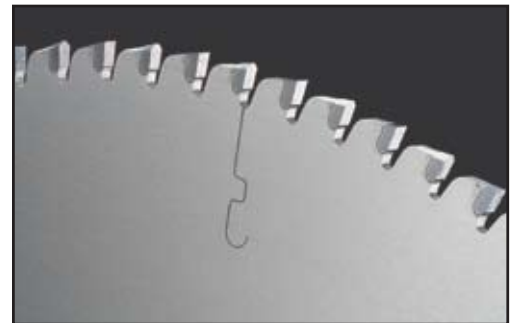
GLOBAL SAW for non-ferrous metals and resin

NEW



GLOBAL SAW factory grade

- Specialized blade for non-ferrous metals and resin.
- Improved blade tip grinding accuracy
- Good heat treatment
- Emphasis on good finish accuracy
- Laser cut (low noise) for the base metal



For non-ferrous metals FGA

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Tooth type	Laser slit	Pin holes			Rake angle (°)	Side rake angle (°)	Tip relief angle (°)	Tip inclination angle (°)
								Number	Diameter (mm)	PCD (mm)				
FGA-255-2.5-100-BC	255	2.5	2.0	25.4	100	BC	○	—	—	—	5	5	12	0
FGA-305-3.0-100-BC	305	3.0	2.4	25.4	100	BC	○	—	—	—	5	5	12	0
FGA-355-3.0-100-BC	355	3.0	2.5	25.4	100	BC	○	—	—	—	5	5	12	0
FGA-355-3.0-100-D	355	3.0	2.5	25.4	100	D	○	—	—	—	10	0	12	0/45
FGA-355-3.0-120-BC	355	3.0	2.5	25.4	120	BC	○	—	—	—	5	5	12	0
FGA-355-3.0-120-D	355	3.0	2.5	25.4	120	D	○	—	—	—	10	0	12	0/45
FGA-405-3.1-100-BC	405	3.1	2.5	25.4	100	BC	○	2	16.0	60.0	5	5	12	0
FGA-405-3.1-100-D	405	3.1	2.5	25.4	100	D	○	2	16.0	60.0	5	0	12	0/45
FGA-405-3.1-120-BC	405	3.1	2.5	25.4	120	BC	○	2	16.0	60.0	5	5	12	0
FGA-405-3.1-120-D	405	3.1	2.5	25.4	120	D	○	2	16.0	60.0	5	0	12	0/45

※All suitable types are special models.

For resin FGP

Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Tooth type	Laser slit	Pin holes			Rake angle (°)	Side rake angle (°)	Tip relief angle (°)	Tip inclination angle (°)
								Number	Diameter (mm)	PCD (mm)				
FGP-255-2.0-100-CB	255	2.0	1.4	25.4	100	CB	○	—	—	—	20	5	15	10
FGP-255-2.0-120-CB	255	2.0	1.4	25.4	120	CB	○	—	—	—	15	5	15	10
FGP-255-2.4-100-CB	255	2.4	1.8	25.4	100	CB	○	—	—	—	20	5	15	10
FGP-305-2.2-120-CB	305	2.2	1.6	25.4	120	CB	○	—	—	—	15	5	15	10
FGP-305-2.4-100-CB	305	2.4	1.8	25.4	100	CB	○	—	—	—	20	5	15	10
FGP-305-2.8-100-CB	305	2.8	2.0	25.4	100	CB	○	—	—	—	20	5	15	10

※All suitable types are special models.

GLOBAL SAW for wood



Product code	Diameter (mm)	Kerf (mm)	Plate thickness (mm)	Arbor (mm)	Number of teeth	Tooth type	JAN code 4920350	Suitable power tool
RS-100	100	1.2	0.8	20	22	CB	322033	C A Ci
RS-110	110	1.2	0.9	20	24	CB	322040	C A Ci Co An
RS-125	125	1.2	0.9	20	28	CB	322057	C A Ci Co
RS-135	135	1.2	0.9	20	32	CB	322064	C A Ci Co
RS-165-52	165	1.6	1.0	20	52	CB	320718	C A Ci Co
RS-165-64	165	1.6	1.0	20	64	CB	320732	C A Ci Co
RS-185-52	185	1.6	1.0	20	52	CB	320701	C A Ci Co
RS-185-64	185	1.6	1.0	20	64	CB	320749	C A Ci Co
RS-190-52	190	1.6	1.0	20	52	CB	320725	C A Ci
RS-190-64	190	1.6	1.0	20	64	CB	320756	C A Ci

※Cannot be used with disk grinders.

GLOBAL SAW Diamond blade (dry type)

For concrete
Emphasis on life



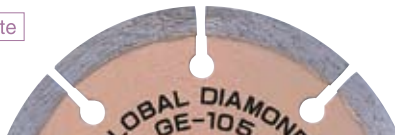
Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GD-105	4"	105	2.0	7.0	20	15	001884	D Cu
GD-125	5"	125	2.0	7.0	22	20	001891	D Cu
GD-150	6"	150	2.0	7.0	25	20/19	001907	D Cu
GD-203	8"	203	2.5	7.0	25.4	25	001921	Cu

For concrete
Emphasis on cutting performance



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GF-105	4"	105	2.2	7.0	20	15	200768	D Cu
GF-125	5"	125	2.2	7.0	22	20	200775	D Cu
GF-150	6"	155	2.2	7.0	25.4	20/22/25	200782	D Cu
GF-180	7"	180	2.2	7.0	25.4	20/22/25	200799	D Cu
GF-203	8"	204	2.2	7.0	25.4	20/22/25	200973	E Cu
GF-255	10"	254	2.4	6.0	25.4	20/22/25	200980	E Cu
GF-305	12"	306	2.8	6.0	30.5	20/22/25.4	200997	E Cu
GF-355	14"	357	3.0	6.0	30.5	20/22/25.4	201000	E Cu

For concrete
Economy



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GE-105	4"	105	1.7	7.0	20	15	000801	D Cu
GE-125	5"	125	2.0	7.0	22	20	200270	D Cu

For concrete
Wave



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GW-105	4"	105	1.8	7.0	20	15	320206	D Cu
GW-125	5"	125	2.0	7.0	22	20	320244	D Cu
GW-155	6"	155	2.0	7.0	25.4	20/22/25	320251	D Cu
GW-180	7"	180	2.0	7.0	25.4	20/22/25	320268	D Cu
GW-205	8"	205	2.0	7.0	25.4	20/22/25	320275	E Cu

For tiles



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
TL-100	4"	100	1.2	5.0	20	15	320404	D Cu

For roof tiles



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
DK-105	4"	105	1.2	5.0	20	15	320411	D Cu
DK-125	5"	125	1.4	6.0	22	20	320374	D Cu

Multipurpose
Emphasis on the cut surface

NEW



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GR-100 (Multipurpose)	4"	100	2.1	3.0	20	15	322132	D Cu
GR-125 (Multipurpose)	5"	125	2.1	3.0	22	20	322163	D Cu

For cast steel pipes
Metal-welded diamond

NEW



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GR-305 (For cast steel pipes)	12"	305	3.2	8.0	30.5	20/22/25.4	322170	E
GR-350 (For cast steel pipes)	14"	350	3.2	8.0	30.5	20/22/25.4	322187	E

GLOBAL SAW Diamond cup for surface grinding

For concrete



Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
CP-100	4"	102	5.0	7.0	20	15	200072	D
CF-100	4"	100	5.0	7.0	20	15	200096	D
CR-100	4"	100	4.5	7.3	M10	—	200294	D

GLOBAL SAW Blade for civil engineering (wet type)

For asphalt and concrete



Super grade for civil engineering
SP T.C.T prevent substrate wear.
Road cutting blade with good general usability. 30% increased cutting speed.

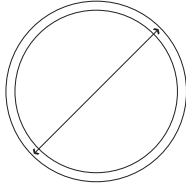
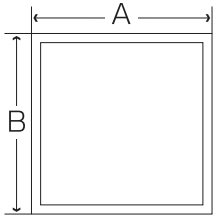
Product code	Diameter		Segment Dimension		Arbor (mm)	Bush (mm)	JAN code 4920350	Suitable power tool
	Inches	Metric (mm)	Thickness(T)	Height(W)				
GK-10	10"	256	3.0	6.0	27	22	300369	E
GK-12	12"	305	3.0	6.0	27	—	300376	E
GK-14	14"	356	3.0	6.0	27	—	300383	E
GK-16	16"	405	3.0	6.0	27	—	300390	E
GK-18	18"	457	3.0	6.0	27	—	300406	E



GLOBAL SAW cutters, powerful cutters offering high performance.

- Brake with increased safety installed.
- Improved reliability of the quick vice.
- Positive clamping with a large vice.
- Wide improvement of accuracy because of a high-rigidity die-cast head.

Cutting capacity



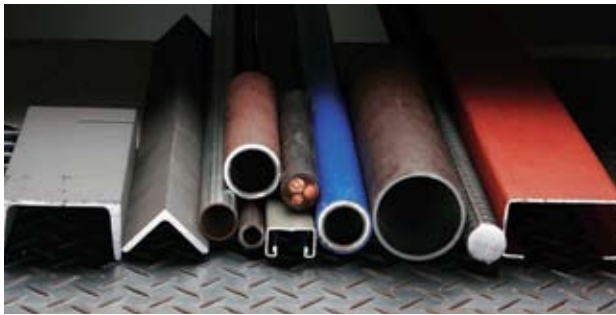
BS-305

- Square material (AxB)
 - 90° 120×75
 - 100×85
 - 45° 75×95
 - 90° 100×100※
 - 150×75※
- Round material
 - 90° 115ø(100A)

BS-355

- Square material (AxB)
 - 90° 125×100
 - 45° 75×100
 - 90° 155×100※
- Round material
 - 90° 120ø

※At the time of vice shifting.



Specifications

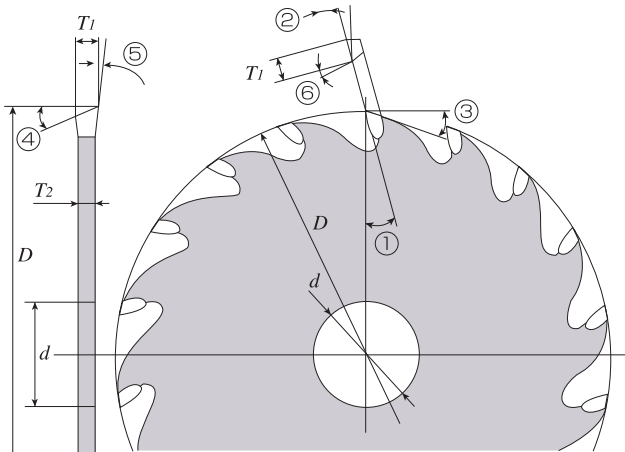
Product code	Used power supply	Rated current	Power consumption	No-load speed	Weight	JAN code	Standard accessories
BS-305	Single-phase AC 100V 50/60Hz	15A	1,450W	1,500min ⁻¹	16kg (body only)	4920350	GLA-305K (Global Saw for iron and stainless steel)
BS-355	Single-phase AC 100V 50/60Hz	15A	1,450W	1,250min ⁻¹	17kg (body only)	500028	GLA-355K (Global Saw for iron and stainless steel)

- Protective goggles
- Auxiliary cover
- Hexagon wrench (8 mm)

Applications

- Angles • Channel steel • Lip steel • VLP pipes • Conduit pipes • Steel pipes • PVD pipes • Hangers • Raceway
- Aluminum sash • Round bars • Stumpy bolts • Formed steel • Light-weight materials • Steel rods • Other cutting

Saw blade part names



D Diameter d Arbor
T₁ Kerf T₂ Plate thickness

- ① Hook angle ② Face bevel angle ③ Clearance angle
- ④ Tip inclination angle ⑤ Radial clearance angle
- ⑥ Tangential clearance angle

Blade type table

Type	Blade symbol	Blade type	Name
A	A		Group of 5 blades
	AB		
	A-3		Group of 3 blades
	AB-3		
B	B		Flat blades
	BC		
C	C		Alternate blades
	CB		
	CB-n		
	CBnM		
D	D		High-low blades (triple blades)
	Dn		Not high-low triple blades

