



## Japanese Pull Saws and Carpentry Tools - Product Information



株式会社 高儀



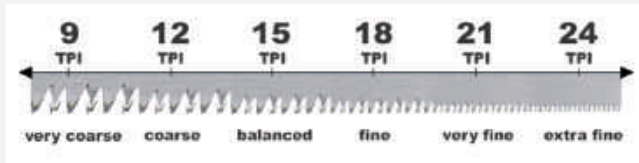
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## Japanese Pull Saws - Quick Feature Guide

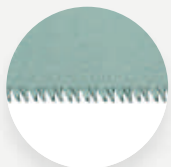
### Teeth per inch

Each saw blade has a teeth pitch noted in teeth per inch (or **TPI**). This number tells the user how coarse or fine the saw is. The higher the number, the smoother the cut will be. For a indication of a saw's coarseness/fineness, please reference the graphic below.



### Cross cuts vs rip cuts

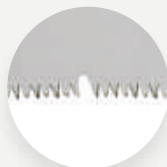
For making cross cuts, the teeth of Japanese saws are sharpened on three sides. These "trapezoid" teeth produce the characteristic clean cuts of Japanese saws. Rip cuts require a different geometry of the teeth. Therefore, not all saws are suited for rip cuts. Most Ryoba saws will have a rip cutting side and some Kataba saws are outfitted with special hybrid (M) teeth to allow both cross cuts and rip cuts. Consult the item features to learn if a saw is suited for rip cuts.



Cross cut



Rip cut



Cross cut + rip cut

### Replaceable saw blades vs sharpening

Many of our products have replaceable saw blades. The teeth of these blades have been treated with High Impuls Hardening. This makes them extremely durable, but also means they cannot be re-sharpened.

The teeth of saws that do not have replaceable saw blades have not been given the same treatment. Therefore, they are suited for sharpening.

### Teeth setting

The teeth of a saw blade are generally "set", meaning they are positioned slightly outward to the left and right side (alternating) of the blade. As a result, the kerf is slightly wider than the thickness of the saw blade, which prevents pinching of the saw blade between the wood. Some of our products feature **non-set teeth**. This means the width of the kerf is the same as the thickness of the saw blade. This feature is used for the most precise cuts and flush cuts. Consult the item features to learn if non-set teeth are applied.

### Low friction

To further improve the smoothness of the saw cut, the blade of our saws may be treated in several ways (listed below). Consult the item features to learn if they apply.

- 1) polishing the saw blade to minimize all contact friction.
- 2) tapering the thickness of the saw blade to minimize surface contact.
- 3) grinding the blade hollow to minimize surface contact



## Kataba SHARK Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
104300	Kataba 225 Extra Fine	225 mm	0.40 mm	0.55 mm	22 TPI	Extra fine cross cuts, dovetails cuts
105310	Replacement blade for 104300					
104310	Kataba 250 Fine	250 mm	0.50 mm	0.70 mm	19 TPI	Fine cross cuts, cabinet making
105330	Replacement blade for 104310					
104320	Kataba 265 General Carpentry	265 mm	0.60 mm	0.90 mm	15 TPI	General carpentry, cross cuts
105350	Replacement blade for 104320					
105400	Kataba 300 General Carpentry	300 mm	0.70 mm	1.10 mm	12 TPI	General carpentry, cross cuts
105410	Replacement blade for 105400					
105430	Kataba 330 General Carpentry	330 mm	0.90 mm	1.25 mm	10 TPI	General carpentry, cross cuts, multi purpose
105440	Replacement blade for 105430					
106050	Folding Kataba 265	265 mm	0.60 mm	0.90 mm	15 TPI	General carpentry, cross cuts
105350	Replacement blade for 106050					



## Kataba SHARK Series M

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
105450	Kataba 200M General Carpentry	200 mm	0.60 mm	0.90 mm	15 TPI	General Carpentry, cross cuts <b>and</b> rip cuts
105460	Replacement blade for 105450					
105372	Kataba 265M General Carpentry	265 mm	0.60 mm	0.90 mm	15 TPI	
105380	Replacement blade for 105372					
100096	Kataba 300M General Carpentry	300 mm	0.70 mm	1.10 mm	12 TPI	
105420	Replacement blade for 100096					
106050M	Folding Kataba 265M	265 mm	0.60 mm	0.90 mm	15 TPI	
105380	Replacement blade for 106050M					



## SHARK SAW PRO Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
102145	General Carpenters Saw	300 mm	0.60 mm	0.90 mm	14 TPI	General wood, precise cuts, MDF, ply wood
102143	Replacement blade for 102145					
102147	Large Carpenters Saw	380 mm	0.70 mm	1.10 mm	10 TPI	General wood, fast & large cuts, wet wood
102142	Replacement blade for 102147					
102150	Hard Wood & Plastic Saw	270 mm	0.60 mm	0.85 mm	17 TPI	Hard wood, plastic, fine cuts
102158	Replacement blade for 102150					
102156	Pruning/Multi Purpose Saw	300 mm	0.70 mm	1.20 mm	9 TPI	Pruning, multi purpose, clean cuts
102144	Replacement blade for 102156					
102141	Extra Fine Saw Dozuki Type	270 mm	0.30 mm	0.40 mm	19 TPI	Extra fine cuts, cabinet making, joinery
102140	Replacement blade for 102141					
102153	Detail Saw (Dovetail)	185 mm	0,40 mm	0.50 mm	22 TPI	Extra fine cuts, flush cuts, joinery
102154	Replacement blade for 102153					



## SHARK SAW PRO Series Ryoba

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
102221	Double Saw Ryoba 240	240 mm	0.50 mm	0.75 mm	17/9 TPI	Cross <b>and</b> rip cuts, general cuts
102243	Replacement blade for 102221					
102160	Double Saw Ryoba 210	210 mm	0.45 mm	0.60 mm	22/9 TPI	Cross <b>and</b> rip cuts, extra fine cuts
012450g	Replacement blade for 102160					
112441	Double Saw Ryoba 240	240 mm	0.50 mm	0.73 mm	12/17 TPI	Cross cuts only, fine and general cuts
012441	Replacement blade for 112441					



102105



102201



102107



102101



102201

## SHARK SAW Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
102105	General Carpenters Saw	300 mm	0.60 mm	0.90 mm	14 TPI	General wood, precise cuts, MDF, ply wood
102106	Replacement blade for 102105					
102201	Double Saw Ryoba 240	240 mm	0.50 mm	0.75 mm	17/9 TPI	Cross, angle and rip cuts, general cuts
102202	Replacement blade for 102201					
102101	Extra Fine Saw Dozuki Type	270 mm	0.30 mm	0.40 mm	19 TPI	Extra fine cuts, cabinet making, joinery
102102	Replacement blade for 102101					
102001	Multi Purpose Saw	210 mm	0.70 mm	1.10 mm	9 TPI	General wood, fast cuts, pruning, folding saw
102002	Replacement blade for 102001					
102107	Display Set - 12 pieces	300 mm	0.60 mm	0.90 mm	14 TPI	General wood, precise cuts, MDF, ply wood
102106	Replacement blade for 102160					





## Folding Saws SHARK Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
105810	Folding Carpentry Saw 210	210 mm	Back taper	1.20 mm	11 TPI	General carpentry, cross cuts, fast cuts
105820	Replacement blade for 105810					
105970	Folding Carpentry Saw 240	240 mm	Back taper	1.25 mm	9 TPI	General carpentry, cross cuts, fast cuts
105980	Replacement blade for 105970					
105790	Folding Carpentry Saw 210	210 mm	0.70 mm	1.00 mm	15 TPI	General Carpentry, cross cuts, clean cuts
105800	Replacement blade for 105790					
105950	Folding Carpentry Saw 240	240 mm	0.70 mm	1.00 mm	15 TPI	General Carpentry, cross cuts, clean cuts
105960	Replacement blade for 105950					
105900	Folding Metal Saw 210	210 mm	0.60 mm	0.80 mm	26 TPI	For NON FERRO materials
015900	Replacement blade for 105900					
107212	Folding Carpentry Saw 125	125 mm	0.70 mm	0.90 mm	17 TPI	General Carpentry, cross cuts, clean cuts
107213	Replacement blade for 1006060					



## TAKAGI Premium Ryoba Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
108146	TAKAGI Premium Ryoba 180	188 mm	Hollow ground	0.65 mm	17/8-10 TPI	Polished blade, cross cuts <b>and</b> rip cuts
108147	TAKAGI Premium Ryoba 210	221 mm		0.70 mm	17/8-11 TPI	
108148	TAKAGI Premium Ryoba 240	244 mm		0.75 mm	16/7-10 TPI	
108149	TAKAGI Premium Ryoba 270	273 mm		1.05 mm	11/6-7 TPI	
108150	TAKAGI Premium Ryoba 300	300 mm		1.15 mm	10/5-7 TPI	
108151	TAKAGI Premium Ryoba 330	330 mm		1.25 mm	9/4-7 TPI	



## TAKAGI GISUKÉ Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
108007	Ryoba Mini 120	120 mm	0.50 mm	0.60 mm	22/22 TPI	Extra fine cuts, cross <b>and</b> rip cuts
108008	Ryoba Narrow 180	180 mm	0.50mm	0.65 mm	17/9 TPI	Fine cuts, cross <b>and</b> rip cuts
108006	Ryoba Wide 180	180 mm	0.50 mm	0.65 mm	17/9 TPI	Fine cuts, cross <b>and</b> rip cuts
108001	Ryoba GISUKÉ 210	210 mm	0.60 mm	0.85 mm	17/8-12 TPI	Fine cuts, cross <b>and</b> rip cuts
108002	Ryoba GISUKÉ 240	240 mm	0.70 mm	0.90 mm	16/7-10 TPI	General woodworking, cross <b>and</b> rip cuts



108027



108130



108009



108138



108137



108134

## TAKAGI GISUKÉ Series

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
108134	Dozuki Extra Fine Cut 150	150 mm	0.30 mm	0.30 mm	24 TPI	Extra fine cuts, veneer, hobby & craft, non-set saw teeth, polished saw blade
108137	Dozuki Extra Fine Cut 210	210 mm	0.30 mm	0.30 mm	22 TPI	
108138	Dozuki Extra Fine Cut 240	240 mm	0.30 mm	0.30 mm	22 TPI	
108130	Dozuki Dovetail 160	160 mm	0.10 mm	0.10 mm	23 TPI	Flush cuts, extra fine cuts, non-set teeth
108027	Dovetail 120	120 mm	0.40 mm	0.40 mm	21 TPI	Flush cuts, extra fine cuts, non-set teeth
108009	Dozuki Detail Saw 150	150 mm	0.30 mm	0.50 mm	20 TPI	Detailed cuts, replaceable blade
108010	Replacement blade for 108009					



## SHARK Series Pruning Saws

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
105970	Pruning Saw 240	240 mm	Back taper	1.25 mm	9 TPI	Folding saw, nickel plated finish
105980	Replacement blade for 105970					
105810	Pruning Saw 210	210 mm		1.20 mm	11 TPI	Folding saw, nickel plated finish
105820	Replacement blade for 105810					
105990	Pruning Saw Gold 210	210 mm		1.20 mm	11 TPI	Folding saw, PTFE finish, gold handle
106010	Replacement blade for 105990					
106000	Pruning Saw Gun Metal 210	210 mm		1.20 mm	11 TPI	Folding saw, PTFE finish, gun metal handle
106010	Replacement blade for 106000					
106020	Pruning Saw Gold 240	240 mm		1.25 mm	9 TPI	Folding saw, PTFE finish, gold handle
106040	Replacement blade for 106020					
106030	Pruning Saw Gun Metal 240	240 mm	1.25 mm	9 TPI	Folding saw, PTFE finish, gun metal handle	
106040	Replacement blade for 106030					



107326



107314



107316



## SHARK Series Pruning Saws

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
107314	Curved Pruning Saw in Sheat	270 mm	0.90 mm	1.35 mm	7 TPI	Professional Pruning Saw, Nickel plated
107315	Replacement blade for 107314					
107316	Curved Pruning Saw in Sheat	300 mm	0.90 mm	1.35 mm	7 TPI	Professional Pruning Saw, Nickel plated
107317	Replacement blade for 107316					
107324	Curved Pruning Saw in Sheat	270 mm	0.90 mm	1.35 mm	7 TPI	Professional Pruning Saw, PTFE finish
107325	Replacement blade for 107324					
107326	Curved Pruning Saw in Sheat	300 mm	0.90 mm	1.35 mm	7 TPI	Professional Pruning Saw, PTFE finish
107327	Replacement blade for 107326					



## SHARK Series Pruning Saws

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth/inch	Use/feature
107100	Straight Pruning Saw in Sheat	240 mm	0.80 mm	1.10 mm	9 TPI	Clean Pruning, Nickel plated finish
107101	Replacement blade for 107100					
107102	Straight Pruning Saw in Sheat	270 mm	0.80 mm	1.10 mm	9 TPI	Clean Pruning, Nickel plated finish
107103	Replacement blade for 107102					
107104	Straight Pruning Saw in Sheat	240 mm	0.60 mm	0.85 mm	17 TPI	Pruning Saw for Bamboo and Reed
107105	Replacement blade for 107104					
107202	Pruning Saw with Cleaver	240 mm	Back taper	1.25 mm	9 TPI	Foldable pruning saw with cleaver
107203	Replacement blade for 107202					
107210	Pocket Pruning Saw 125	125 mm	0.80 mm	1.10 mm	11 TPI	Foldable pruning, pocket sized
107211	Replacement blade for 107210					



100743



100741



703017



112206

## TAKAGI Special Saws

Item no.	Item description	Blade length	Blade thickness	Kerf width	Teeth pitch/TPI	Use/feature
100743	Micro Saw for Wood	160 mm	0.40 mm	0.55 mm	22 TPI	Very fine cuts for all types of wood
100744	Replacement blade for 100743					
100741	Micro Saw for Metal	160 mm	0.40 mm	0.55 mm	26 TPI	For NON FERRO materials and wood
100742	Replacement blade for 100741					
112206	Dry Wall Saw	155 mm	1.60 mm	1.90 mm	8 TPI	Suited for dry wall, plumbers, electricians
703017	3-in-1 Dry Wall Multitool	180 mm				Includes saw blade, cutter blade and awl
012317	Replacement saw blade for 703017					
012217	Replacement cutter blade for 703017					
013517	Replacement awl for 703017					





## Japanese Chisels

Item no.	Item description
108074	Chisel GISUKÉ 6 mm
108075	Chisel GISUKÉ 9 mm
108076	Chisel GISUKÉ 12 mm
108079	Chisel GISUKÉ 15 mm
108077	Chisel GISUKÉ 18 mm
108080	Chisel GISUKÉ 21 mm
108078	Chisel GISUKÉ 24 mm
108081	Chisel GISUKÉ 30 mm
108082	Chisel GISUKÉ 36 mm

## Features

Laminated Hitachi steel, white oak handle  
hardened to HRC 62





## Premium Japanese Chisels

Item no.	Item description
108085	Chisel MURAKUNI 3 mm
108086	Chisel MURAKUNI 6 mm
108087	Chisel MURAKUNI 9 mm
108088	Chisel MURAKUNI 12 mm
108089	Chisel MURAKUNI 15 mm
108090	Chisel MURAKUNI 18 mm
108091	Chisel MURAKUNI 21 mm
108092	Chisel MURAKUNI 24 mm
108093	Chisel MURAKUNI 30 mm
108094	Chisel MURAKUNI 36 mm
108095	Chisel MURAKUNI 42 mm

## Features

Premium laminated Hitachi steel, red oak handle  
hand forged, hardened to HRC 62





108071



108072



108073

## Japanese Chisel Sets

### Item no. Item description

108071 10 Piece Chisel set MITSUHIRO  
3 mm, 6 mm, 9 mm, 12 mm, 15 mm, 18 mm, 24 mm, 30 mm, 36 mm, 42 mm

108072 5 Piece Chisel set MURAKUNI  
9 mm, 15 mm, 24 mm, 30 mm, 36 mm

108073 3 Piece Chisel set GISUKÉ  
9 mm, 15 mm, 24 mm

### Features

Laminated premium steel (Yasuki), hand forged,  
red oak handle, hardened to 62 HRC

Laminated premium steel (Hitachi), hand forged,  
red oak handle, hardened to 62 HRC

Laminated steel, white oak handle, hardened to 62 HRC



Japanese Wood Planes

Item no.	Item description	Blade width	Features
108011	TAKA KATSU Wood Plane 42	42 mm	White oak block, HSS blade chisel, general woodworking, designed for smooth finishing
108021	HSS replacement blade for 108011 - set of 2		
108012	TAKA KATSU Wood Plane 48	48 mm	
108022	HSS replacement blade for 108012 - set of 2		
108013	TAKA KATSU Wood Plane 50	50 mm	
108023	HSS replacement blade for 108013 - set of 3		
108014	TAKA KATSU Wood Plane 58	58 mm	
108024	HSS replacement blade for 108014 - set of 3		



## Japanese Wood Planes

Item no.	Item description	Blade width
108042	GISUKÉ wood plane 42	43 mm
108041	GISUKÉ wood plane 50	53 mm
108040	GISUKÉ wood plane 58	58 mm
1024220	GISUKÉ wood plane 65	65 mm

### Features

White oak block, hand forged chisel, laminated steel, designed for fine woodworking

## Mini Wood Planes

Item no.	Item description	Blade width
1024300	Mini Wood Plane with Flat Sole	15 mm
1024310	Mini Wood Plane with Arched Sole	18 mm
1024320	Mini Wood Plane with Concave Sole	18 mm
1024330	Mini Wood Plane with flat, Round Sole	15 mm
1024340	Mini Wood Plane with Curved Round Sole	18 mm

### Features

White oak block (110 mm x 28 mm), hand forged chisel, no chipbreaker, designed for shaping and detailed finishing



## Premium Japanese Wood Planes

Item no.	Item description
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108120	AZUMAGENJI Wood Plane 60
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108121	AZUMAGENJI Wood Plane 65
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108122	AZUMAGENJI Wood Plane 70
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Blade width
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60 mm
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65 mm
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70 mm
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Features
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White oak block, hand forged chisel, laminated steel, premium steel quality, designed for fine woodworking
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## Japanese Hammers

Item no.	Item description	Weight	Features
1042770	Mallet 32 mm	170 grams	White oak wood, outfitted with soft metal cap, for delicate jobs
1035550	Mallet 60 mm	350 grams	White oak wood, balanced striking power and maneuverability
1036411	Mallet 90 mm	1000 grams	White oak wood, extra striking power
1028610	KIKUDO Hammer 115	115 grams	Octagonal head, convex and flat ends, ergonomic handle
1028620	KIKUDO Hammer 225	225 grams	
1028630	KIKUDO Hammer 300	300 grams	
1028640	KIKUDO Hammer 375	375 grams	
1028650	KIKUDO Hammer 450	450 grams	



## SHINTO Japanese Rasps

### Item no. Item description

SR20	Wood Rasp Single Grip
SR30	Wood Rasp Double Grip

### Features

For wood, metals and soft stone, single grip, 10/24 TPI  
 For wood, metals and soft stone, double grip, 10/24 TPI

## Japanese Saw Files

### Item no. Item description

1075100	Saw File 75 mm (incl. wooden grip)
1010000	Saw File 100 mm (incl. wooden grip)
1012500	Saw File 125 mm (incl. wooden grip)

### Features

Suited for sharpening saw teeth between 17 TPI and 25 TPI  
 Suited for sharpening saw teeth between 12 TPI and 17 TPI  
 Suited for sharpening saw teeth between 4 TPI and 12 TPI





108031



4005590



202220



202225



212023



212028

## Other Japanese hand tools

Item no.	Item description
108030	Marking Gauge (small)
108031	Marking Gauge (medium)
212220	Craftsman Crowbar 200 mm
212225	Craftsman Crowbar 250 mm
212023	Craftsman Nail Puller 230 mm
212023	Craftsman Nail Puller 260 mm
212028	Craftsman Nail Puller 280 mm
4005590	Water Stone 1000/3000

### Features

Two marking blades, marks up to 7 cm depth, white oak wood

Two marking blades, marks up to 10 cm depth, white oak wood

Designed for furniture makers and restaurators

For sharpening chisels and planes, comes with holder

## About



### **TAKAGI**

Most of the products in this catalog are produced by TAKAGI. With nearly 150 years of manufacturing experience, Takagi is one of the undisputed authorities on Japanese carpentry tools, most specifically Japanese pull saws.

The rich history of TAKAGI started in 1866. Gihei Takahashi started with the production of handsaws that represented absolute top quality at the time. Over time, Takahashi's small blacksmith shop has grown into a state-of-the-art production environment where award-winning Japanese pull saws are produced. Their SHARK Series being best known across the world.

As a master smith, Gihei Takahashi has made a huge contribution to the development of traditional Japanese saws. His knowledge and experience has been passed on to succeeding generations of Takahashi. There is still a master blacksmith Takahashi at the cradle of every Japanese saw that leaves production. Today, the 8th generation Takahashi is at the helm of the organization and the 9th generation is ready to take over in the future.



## **Takagi European Distribution Center**

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