Q&A

Q.1 What is BURR?

Coming out metal ridge left on the edge within 1.0mm is the sign of sharpening correctly.

Knife

BURR

Sharpening stone

Q.2 Can we sharp any types of knives?

Both carbon steel and stainless steel can be sharpened with stones. Ceramic knives and special coated knives have to be followed instruction from maker or ask for re-sharpening service at maker.

Q.3 How often sharpening the knives?

We recommend sharpening with stone every time after using knife ideally for professional chef. For home user, we propose to sharpe knife every month. Expiry period of cutting performance may change by knife material, what you cut and how you cut. Choose best way by your knife's conditions.

Q.4 How to store sharpening stone

Drain with dry cloth after water washing and store wrapping with newspaper for avoiding rapid drying. Store not outside and under direct sun. Freezing condition might stone get cracked.



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Company Profile



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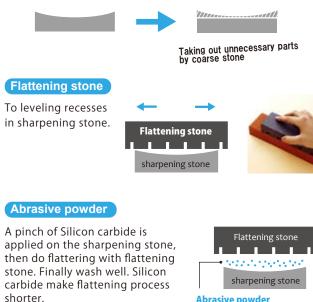
4 grit types of sharpening stone

	Coase	Medium	Finishing	Super Finishing
Grit	#80~400	#600~1500	#2000~ #4000	#5000~ #12000
Purpose	For repairing shape of knife and chips of knife edge.	For More smooth cutting and at home maintenance.	For Sashimi cutting, decoration by vegetable by super more cutting performance.	For mirror finishing and excellent cutting performance.
Grinding force	strong			

To start sharpening from Coarse \rightarrow Medium \rightarrow Finishing \rightarrow Super Finishing can get great cutting performance and sharp edge.

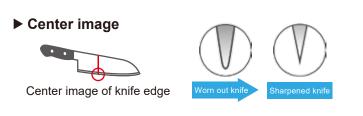
Maintenance of sharpening stones

The surface of stone will be not plain after you use for a while. It has to be flatten with flattening stone otherwise you are not able to sharpe whole edge correctly.

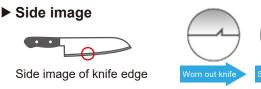


Abrasive powder

Relevance between knife edge and cutting performance



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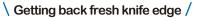
#### Center image Side image Cutting performance Edge of knife edge of knife edge conditions The mass production New knife knife not always cut well even it's new. ~~~~~~ Using roll sharpener gets cutting Knife after performance back using 6 months temporarily and it will not last long. We recommend to use it for temporary repairs. The cutting performance will get Knife sharpened worse if you have used "by roll sharpener for a while without maintenance and it may cause injury if you keep using it. The knife edge will be jagged after Knife sharpened sharpening with stone "by stone and it makes the \_\_\_\_\_ cutting performance last for a long time.





# **Knife sharpening** with water stone

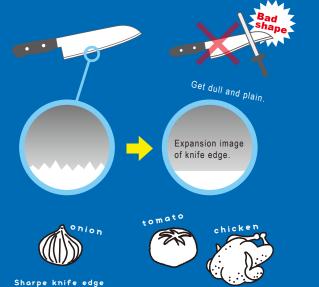
砥石を使った包丁研ぎ



# Cutting mechanizum by knife. Why do knives get dull?

New knife and well-sharpend knife have jagged line on knife edge and right shape of the knife blade.

They are really important to cut food items. When you cut hard stuff or while you're hitting knife on cutting board, it will be worn out and knife edge will be not jaggy. Knife with bad sharpe (not edge aligned) can not cut item easily. Because food item is caught between a cutting board and aligned knife edge, then cut. Not contacting whole edge is like missing teeth.

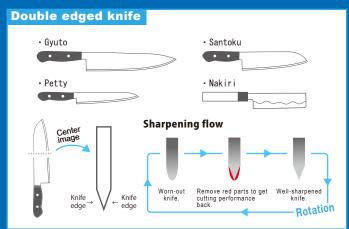


help you to avoid crying while cutting onions

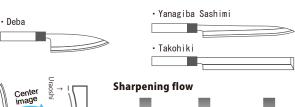
Slippery and not cutting in.

# **Benefit of the knife** sharpening with stones

Abrasives are grinding unnecessary metal parts then making shape of the knife blade. Finally knives get sharpen.









# **Preparation for knife** sharpening

**1** Soak the whetstone in the water. (about  $5 \sim 10$  minutes)

> Please check the instruction which comes with products you buy





Wet cloth is holding stone and also catching sharpening mud

puku puku

## Key points of sharpening double edged knife e.g. 180mm blade

Sharpening in 3 sections

**(2**)

Sharp with pressure.

step 2's blade side:

keeping the angle 15-10°

Sharpening at keeping the same

1. keeping pressure on the path

2. Releaseing pressure on the path

from stone's bottom to top.

from stone's top to bottom.

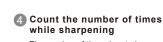
Sharpening stone

out while sharpening.

1

angle.





The number of times has to be same, around 30 times in each part.



If it is not same number of times. Knife can not be sharpend equally.



15°~20°

**5** Sharpening by whole 6 Sharpening another side stone surface of knife edge Do not wipe off slurry which comes

After sharpening front side, follow Step 1 to 6 on another side.

> Step 6's blade side: 1. holding pressure on the path from stone's top to bottom 2.Releasing pressure on the path

> > How to sharpen knives.

Please check this QR cod

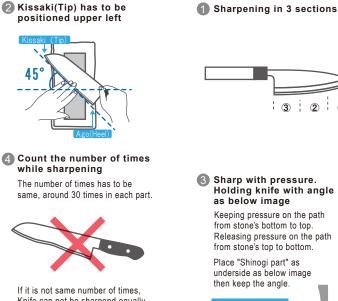


### Remove BURR

After sharpening both side, rub the whole knife edge on the stone gently several times as below image for removing BURR.

## Key points of sharpening e.g. 180mm blade single edged knife

2 1



4 Count the number of times while sharpening Sharpening the same number of times of double edge knife

6 Check BURR

If it is not same number of times,

Knife cannot be sharpend equally

Coming out ridge left on the edge

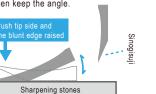
within 1.0mm is the sign of

sharpening correctly.

Single edged knife

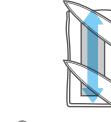
Kissaki(Tip) has to be

positioned upper left.

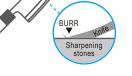


**6** Sharpening by whole stone surface

Do not wipe off slurry which comes out while sharpening







Sinogisuji

right handed

Remove BURR



When sharpening flat side. O Marked points are contacting on stone. Middle part should be slightly dented.

Sharpening stones









