



Dear all,

The difference in temperature between day and night gradually increased, and it was time to feel the arrival of winter little by little.

Speaking of autumn, it is colored leaves. In recent years, due to global warming, there are many areas where November is the best time to see the autumn leaves.



Why don't you go and see the autumn leaves with your friends and family? ☺

By the way, thanks to you, Conic celebrated its 43rd anniversary on the 27th of this month! ☺

Thank you very much for your support and cooperation.

We are looking forward to continuing our business relationship!

This time, I will tell you about "Shichi-go-san" that is a Japanese traditional ceremony for children. ☺

## **"SHICHI-GO-SAN" (Standing for the ages of seven, five and three)**

Shichi-go-san (standing for the ages of seven, five and three) is a traditional Japanese ceremony celebrating the growth of children and wishing for their continued good health.

Girls celebrate when they're three and seven years old, and boys celebrate at three and five years old.

Families all dress in kimonos for the Shichi-go-san ceremony at the local shrine. At the shrine, the chief priest prays for each child's healthy growth.



And when visiting the shrine for Shichi-go-san, you may receive a slender red and white stick-shaped candy called "Chitose ame".

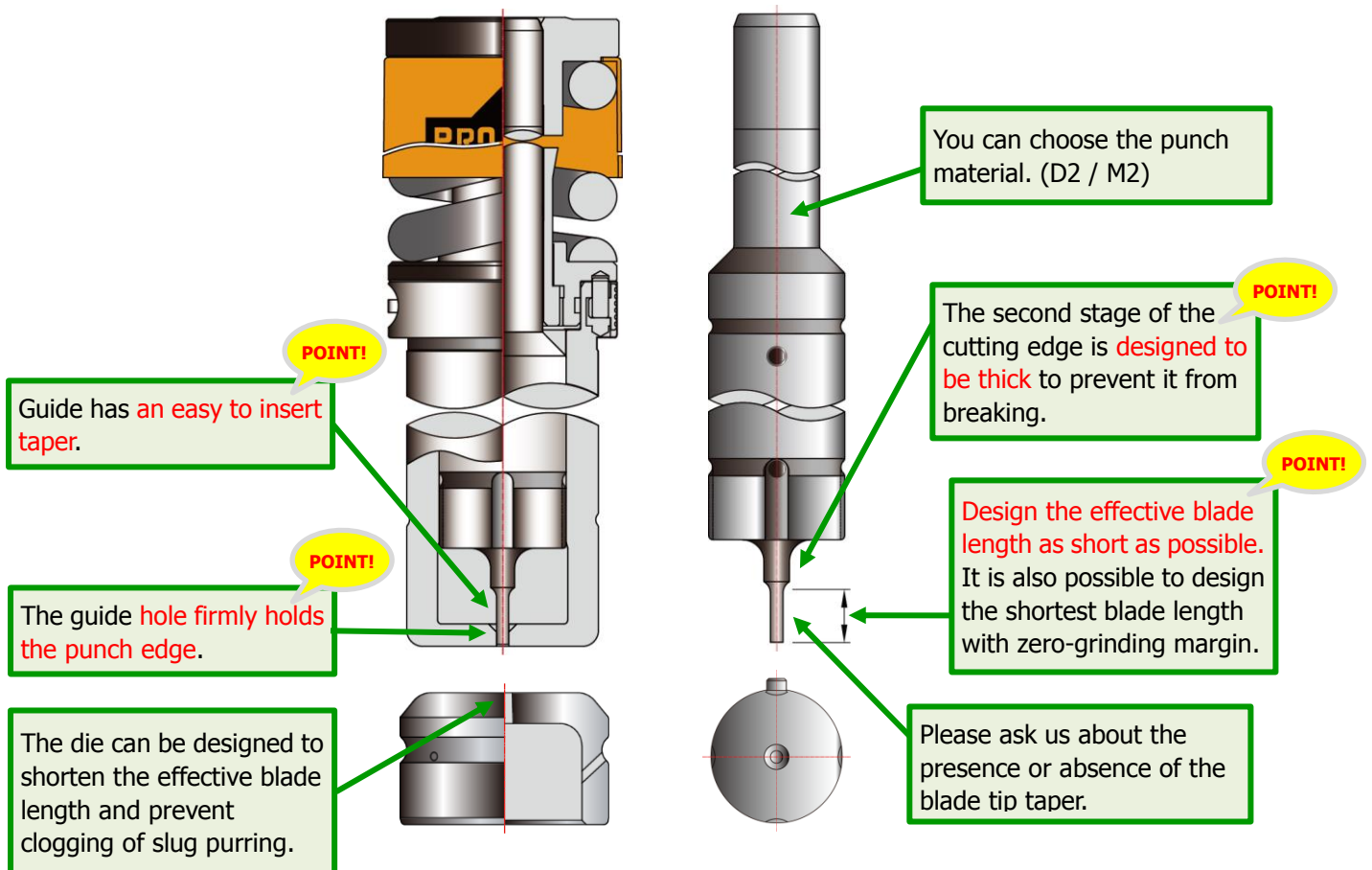
"Chitose" literally means one-thousand years, and this traditional candy signifies a long life for the child. All children look forward to receiving "Chitose ame" very much. ☺



## TOOL FOR THICK PLATE PUNCHING

Strengthen the cutting edge with exclusive design!

**When punching thick plate, an exclusive designed tool with increased cutting edge strength is effective to prevent problems such as punch edge breakage!!**



1. We accept exclusive design. Please specify the processing conditions (plate thickness, material, etc.). In addition to square and rectangle punches, round punches can also be manufactured. (It is also recommended for Hot rolled steel T = 9 punch edge  $\phi 6$ , etc.)

2. This tool is not guaranteed to be "never broken". In design, this tool incorporates measures to make it hard to break.

- **Normally, for stable machining, a punch blade width (short width) of 1 or more times the plate thickness for Mild steel and 2 or more times for stainless steel is required.**

# THE TOOL FOR THICK PLATE PUNCHING (\* 1) CAN BE USED IN THIS WAY!

(\*1) Order tool designed based on meeting various conditions.

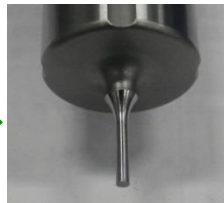
## EXPERIENCE

**Is it possible to process with a punch edge diameter thinner than the plate thickness? Can't be broken?**

### Test Conditions

Material / Thickness: Hot rolled steel  
T=6  
Punch edge:  $\phi$  2.5 (For M3)  
Die clearance: 0.3

30hit Cutting edge after punching



Finished workpiece



**PUNCHED SUCCESSFULLY**

### Test Conditions

Material / Thickness: Hot rolled steel  
T=6  
Punch edge:  $\phi$  3.3 (For M4)  
Die clearance: 0.3

30hit Cutting edge after punching



Finished workpiece



**PUNCHED SUCCESSFULLY**

\*This test does not guarantee durability.

## ADVANCED

**You can also use it like this!**

In the case of thin plates, it is common to form the workpiece into a cylindrical shape with a burring tool and ensure the thickness of the number of threads. However, in the case of thick plates, burring may be difficult.



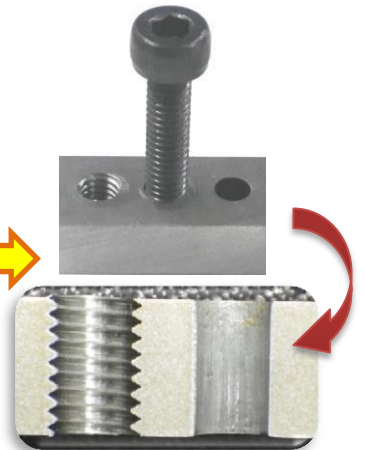
Tool used in this test  
PROTECH3 1-1/4"  
Standard round set  $\phi$ 3.3 C = 0.3



After punching



Direct tapping  
without burring



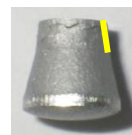
Sectional side view image

## POINT!

By processing the clearance with minimal conditions, the taper of cutting and breaking is reduced on the punched hole diameter, and a straight part for tapping directly on the workpiece is secured.

### [Comparison with slug purring]

C=1.3  
There is almost no  
straight part



(Usually, calculated a  
suitable clearance)

C=0.3  
There is **enough**  
straight part



(This experimental  
clearance)