

# NEWS

Dear all,

On an extremely hot day, abnormal weather ... I hear these words almost every day, but how are you all doing?

The Olympic Games have been held since last month.

It seems that there are pros and cons to holding the event in the Coronavirus crisis, but athletes from each country are doing their utmost to the tournament, which is one year late.

Seeing them doing their best makes me want to support them. ☺



## “Obon and Bon Odori” (Buddhist event)

**Obon is a Japanese Buddhist custom to honor the spirits of one’s ancestors.**

It is believed that each year during Obon period, the spirits of those who have passed on, return to this world to visit their families. In general, Obon refers to August 13th to August 16th.

Even though Obon is not a public holiday, obon is considered as one of the most important family events of the year in Japan.

People visit graves or ask a Buddhist monk to come their home to recite sutras.

**Visiting graveyards to comfort ancestors’ spirits is called “ohakamairi.”**

**The word “haka” means “grave” in Japanese.**

Ohakamairi means to tell their loved ones who has passed away that their family members are being well and express thankfulness. ☺

And Also Bon Odori is the Japanese traditional folk dance performed in the evenings during Obon.

The dancers with yukata form circles around the center tower called “Yagura” and dance with the Bon festival songs. ☺

When Obon is over, the spirits are usually sent back on their way.

The customs followed vary strongly from region to region. ☺



# CONIC HARD PUNCH (CHP)

Best solution for adhesion (Galling)!

Suitable for all purpose, especially for Aluminum and Coated steel!



Reasonable price and suitable for all purpose. CHP shows high performance reducing adhesion (Galling) which is likely to be caused by processing Aluminum and Coated steel.



## ◇Feature

**Modification treatment** processed on High speed steel which is not just conventional surface treatment.

What is modification treatment?

Increased hardness of surface and anti metal fatigue by refine and combine with metal crystal of punch surface, 10 $\mu$ .

How it works?

Smooth surface that makes better piercing and prevent from adhesion and galling in order to have stable processing.

## ◇Experimentation

It shows big difference between Conic Hard Punch and standard HSS material. Less adhesion (galling) and makes punch tip lasts longer.

※22,320 hits.

Surface of punch-tip.



●Standard HSS



●Conic Hard Punch (HSS base metal)

### 【Condition】

- Thick Turret Type    ●1-1/4"(B) RE 5 x 30
- Total Clearance C=0.35    ●Material : SPHC Thickness t=2.3

## Feedbacks

Great feedback for Aluminum and thin sheet metal (Mild steel under t=2.3mm !)

310,000hits.  
Still no problem.

A company ●Steel furniture  
●Main material : Mild steel

45,000 hits. Still no problem. The coating peeled off from another tool supplier...

B company ●Switch board  
●Main material : SEHC

140,000 hits.  
No adhesion, galling.

C company ●Kitchen equipment  
●Main material : Stainless steel

Total performance	Type of treatment	Material Characteristic			
		SUS	SPCC	AL	Galvanized
High performance  Cost performance	Super Dry Punch (SDP)	★★★★★★	★★★★★★	★★★★	★★★★
	Heavy Duty Punch (HDP)	★★★★★	★★★★★★	★★★★★★	★★★★★★
	Conic Long Life Punch (CLP)	★★★★	★★★★★	★★★★★★	★★★★★★
	Conic Hard Punch (CHP)	★★★	★★★★	★★★★★	★★★★
	HSS	★★	★★★	★★★	★★★
	D2	★	★	★★	★