

Best solution for adhesion (galling) !

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

Conic Hard Punch (CHP)

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 sheet.

◇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 μ .

How it works?

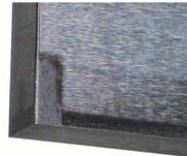
Smooth surface that makes better piercing and prevent from adhesion and galling in order to have stable processing.

◇Experimentation

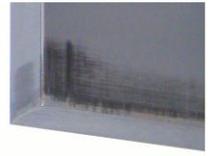
It shows big difference between Conic Hard Punch and standard HSS material. Less adhesion (galling) and makes punch tip lasts longer.

※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

■Surface treatment (Feature)

Total performance	Type of treatment	Aptitude			
		Stainless	Mild steel	Aluminum	Galvanised
High performance ↑↓ Cost performance	Super Dry Punch (SDP)	★★★★★	★★★★★	★★★	★★★
	Conic Long Life Punch (CLP)	★★★★	★★★★	★★★★★	★★★★★
	Conic Hard Punch (CHP)	★★★	★★★★	★★★★★	★★★★
	Standard High Speed Steel	★★	★★★	★★★	★★★
	Standard D2 material	★	★	★★	★

CONIC Co., Ltd.

<http://www.conic.co.jp/>