



About JIS and JCIS

- *Are all of your cross recess bits actually Phillips bits (ANSI B18.6 Type I/ISO 7045 Cross Recess) or JIS bits (JIS B 1012)?*

It's actually managed by our own internal standard now. However our Cross-Point tip has a great engagement to ASME, ISO, and JIS standards of cross recessed screws. We used to follow the JIS standard back then, and our former president was actually appointed to be one of the committee member who create the JIS standard of "Screwdrivers for cross recessed head screws". So we kind of help create the JIS standard back then. Time goes on, and more varieties of screws are supplied in the market, and we began adjusting our tip profile to have better fitting engagement to actual screws. And now we have our own standard, but based on JIS standard. JIS used to be a mark symbol for the quality certified manufacturer's products back in times in Japan. Now, it is not considered to be such a mark symbol by consumers, so our factories doesn't acquire JIS certification anymore. JIS certification needs a lot of cost to maintain. Rather, we do nowadays follow, for example, ISO9001 which is the standard of management system. We acquire and maintain the standard to keep up with the quality.

- *In other words, are they designed for screws invented in the USA, or screws invented in Japan? For example product NTPH350P2. It says these are "Ph No.3" bits. So the "Ph" would certainly imply Phillips, but perhaps that's just a (strange) marketing terminology choice.*

Our cross point tips fit very good especially with a Japanese screws since our investigation and improvement had been done based on Japanese screws.

However, we believe our cross point tips fit well with an American screws. We used to be a licensee of Phillips Screwdriver back in 50's. so we used to produce Phillips screwdrivers based on the standard created by Phillips Screw Co.

And now Phillips is a nominal description to describe cross point tips or cross recessed screws. It is like Kleenex or Q-tips, something that product name became nominal description.

And Yes, it is a marketing terminology to use PH to describe. We used to describe P. or

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just a symbol mark “+”, but PH is more standard way to describe it here.

- *There seems to be a general consensus on internet forums that Vessel's cross bits are all JIS bits, even though they aren't labeled as such.*

I see, and please consider VESSEL's cross point screwdrivers or bits are so-called JIS spec as long as the products are manufactured by our own factory. Please note that there are some items, especially supplemental short bits in a set, that are not produced by our own factory. You can check out the country of origin. If it's Japan or Thailand, those products are produced by our own factory. Otherwise, it is not produced by our own factory and please consider those are not exactly the same tip profile.

- *I believe there is no longer a JIS certification or logo and it has been incorporated into ISO 8764, but since JIS and Phillips bits are (at least historically) different shapes, keeping the term "JIS" would certainly be useful to avoid confusion.*

JIS still exist, but we stop acquiring the certification on our products, or should we say to our manufacturing plants. (it is the certificate of not single products, but for manufacturing plants.as explained a bit above)

We used to stamp JIS mark on our every single products back then. However, We try to communicate well to our customers.

Because it is difficult to describe and state JIS since we are not acquiring it anymore, we are thinking the way of communication. We decided to put “JIS Drive” logo on our products, and we'll take those in consideration for our future product communication on our catalog, website, etc.

Thank you.

By the way, there are also deep insight about +0, 00, 000, 0000, so I will share the information as follows. Please check out!

So there is no official standard of PH00, 000, or 0000 other than BS (British standards).

However, what BS defined those PH0, 00, 000, 0000 is that it is only shank diameter

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difference and the same tip profile.

There is a standard of PH0 in most of the standard including ASME, ISO, DIN, and JIS, but not one of PH00, 000, or 0000.

Additionally there is another standard called JCIS existed in Japan other than JIS. JCIS stands for Japan Camera Industrial Standard.

So those Camera manufactures such as Nikon, Canon, Sony, Olympus, Ricoh, Fujifilm, and such from Japan formed the JCIA (Japan Camera Industry Associates) and started to create their own standard.

And they created a new standard of PH0 which is different from those major standard of ASME, ISO, nor JIS.

Unfortunately this standards JCIS 9-70 is no more effective as of June 2020 which is pretty recently.

Basically our PH0 tip is comply to JCIS tip profile, however it is not 100% the same. We do have our own tip profile.

It's due to the same reason that there are different screw punch manufacturers and they have their own PH0 especially for ones that is smaller diameter.

We have PH00 too. It is completely our original tip profile, and not following any of standards. We created according to screws found in the market. Why we created because there is smaller screw than PH0 existing in the market.

To tell you the truth, the difference between PH0 and PH00 is a tiny difference. But such tiny difference makes a big difference in fitting in some occasion.

We do also have our original tip profile for PH000 and PH0000.

Since the electronics products become more compact, the screw used in those products also becoming smaller.

PH0000 is so small that the screw for those is as big as a grain of rice.

In conclusion, each manufacturer has different standard for smaller tip than PH00.

PH0, I think most of the manufacturer follows ISO or ASME which is almost the same.

Our PH0 is a different from those standards. It is completely our original tip profile.

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