

# Sheh Kai Concrete Drill Bit

by Nai-Wen Chang, Fastener World

Accredited by PGM from Germany  
Drilling Speed up 30% & Durability up 10 Folds

The SDS-Plus series and 3-Cutter/4-Cutter SDS-Max series concrete drill bits are the latest creation from Sheh Kai Precision which utilize full-body tungsten carbide design for the drill head and replace the conventional insertion welding method with butt-welding technique; therefore, they gain much better wear resistance, fast chip removal, steady positioning, and high roundness among other excellent performance. After 3 years of research and development, Sheh Kai's team developed a specially designed tungsten carbide drill bit which reduces the bit's jiggling in contact with reinforced concrete and significantly increases users' safety and comfort.

## Special Butt-welding Technique & Impact-resistant Design

The newly-designed SDS-Plus and SDS-Max series concrete drill bits are tailored to high-strength reinforced concrete. Their special tungsten carbide material tackles users' problems regarding chip removal, positioning, jiggling and so on once and for all and improves work efficiency. The butt-welding design makes tungsten carbide drill bits more rigid and enables unobstructed passage into reinforced concrete. The new bits have three to ten times longer service life than conventional ones. They reduce the time of bits change and costs, making onsite construction easier and smoother. Therefore, they are concrete drill bits of medium to high cost-performance ratio available on the market.

## Professional High-strength Concrete Drill Bits with International Quality Guarantee

The drill bits from Sheh Kai sweeps the market of Japan, Australia, the U.S. and Europe with a global sales record of over 3 million pieces. They are certified to PGM (by Masonry Drill Bit Certification Board), ISO9001 and ISO1400. A renowned wafer company purchased 100 pieces of SDS-Plus concrete drill bits from Sheh Kai for plant construction and were surprised to find that the whole plant only used 37 pieces of the drill bits. "The constructors of the plant exclaimed in wonder! The drill bits are unimaginably much more durable than other construction drill bits!" General Manager Mr. Andy Lin said SDS-Plus concrete drill bits are designed to be impact-resistant and have high precision and roundness. Their quality criteria is to be able to drill 200 holes on concrete of above 10,000 Psi grade with less than 0.1mm of abrasion depth.

## Excellent Manufacturing Technique & Care for User Experience

Having mature welding technique and heat treatment, Sheh Kai tries various ways to develop drill bits. The company hears the voice of end users on site and takes 3 years to develop SDS-Plus concrete drill bits. Sheh Kai is adept at welding and flexible use of metal materials. It has established an R&D team which is currently developing more drill products. Sheh Kai is also recruiting sales representatives and strategic partners for its target markets, hoping to develop more products in the power tools accessories field that will satisfy end users.

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ISO 9001:2015 (CNS12681:2016) Certified  
ISO 14001:2015 (CNS14001:2016) Certified



ETA-15/0815 option1  
M8/M10/M12  
ETA-16/0067 part6/M6



## Brocas para concreto de SHEH KAI

obtuvo la certificación alemana PGM  
Aumento de la tasa de penetración  
en un 30% y durabilidad hasta 10 veces

por Naiwen Zhang, Fastener World

SDS-Plus y SDS-Max, las últimas obras maestras de SHEH KAI, brocas para concreto con tres y cuatro cuchillas, utilizan cabezales de carburo de tungsteno completo, abandonando el método tradicional de soldadura enchufable, sino que cambian el diseño del proceso de soldadura a tope para lograr excelentes rendimientos, tales como una mejor resistencia al desgaste, una rápida eliminación de viruta, posicionamiento estable y alta redondez, etc. Después de casi tres años de investigación y desarrollo por un grupo profesional de I+D, se han desarrollado brocas de carburo de tungsteno especialmente diseñadas para reducir la vibración de la herramienta cuando la barra de acero está en contacto, a fin de mejorar en gran medida la seguridad y la comodidad del usuario.



### Tecnología especial de soldadura a tope y diseño de resistencia al alto impacto

Las nuevas brocas para concreto de las series SDS-Plu y SDS-Maxs están especialmente diseñadas para concreto reforzado de alta dureza. El carburo de tungsteno se diseña especialmente contra la remoción de viruta, posicionamiento y fluctuación de fase que a menudo se encuentran al final, para resolver los problemas anteriores y mejorar la eficiencia en el trabajo. Sobre todo, el diseño soldado a tope hace que el cabezal de carburo de tungsteno sea más resistente y no se obstruya cuando pasa a través de la barra de acero. La vida útil es de 3 a 10 veces mayor que la broca tradicional, lo que reduce el tiempo para cambiar la broca y reduce el costo del consumo. Es más fácil y conveniente de aplicar en el sitio, y se considera una broca para concreto con alto rendimiento de coste en el mercado corriente.

### Garantía internacional de calidad de brocas de concreto profesionales de alta resistencia

Con ventas mundiales de más de 3 millones, populares en Japón, Australia, Estados Unidos y Europa, SHEH KAI ha pasado certificaciones de PGM ( la asociación alemana de pruebas de broca), ISO9001 y ISO1400. Una famosa empresa de obleas compró de SHEH KAI 100 piezas de SDS-Plus brocas de concreto cuando construyó su fábrica. No esperaba usar solo 37 piezas cuando se completó toda la planta. "La unidad de construcción en el lugar nos exclamó, ¡fue increíble! Comparadas con otras brocas de concreto, es mucho más de lo que se espera que sean duraderas". El Gerente General, Sr. Shangan Lin dice que el diseño de la broca de cremonto SDS-Plus se basa en el concepto de resistencia al impacto, alta precisión y alta redondez. Antes de cumplir con el estándar, hay que perforarse 200 orificios en el concreto de 10,000 PSI con el grado de desgaste inferior a 0,1 mm.

### Excelente tecnología de fabricación y presta atención a la experiencia del usuario terminal

Con tecnologías de soldadura y tratamiento térmico maduras, SHEH KAI usó varias formas al desarrollar las brocas, examinando la verdadera voz de los usuarios terminales de campo. Tardó 3 años en desarrollar las brocas para concreto SDS-Plus, con técnicas de soldadura hábil y aplicación flexible de materiales metálicos. A través del establecimiento del grupo de investigación y desarrollo, continúa actualmente desarrollando más productos de perforación. Para cada mercado, SHEH KAI también está reclutando agentes y socios de alianzas estratégicas, y espera desarrollar más productos que satisfagan a los usuarios terminales en el campo de las herramientas manuales.

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## Peng Kang Enterprise Co., Ltd.

Specialized in stainless steel band strappers, banders and special hand tools

by Nai-Wen Chang, Fastener World

Established more than 40 years ago, Peng Kang is an enterprise started from scratch, which is currently run by Mr. Dai as president and his son as vice factory director. Different from other hand tools manufacturers usually located in central Taiwan, Peng Kang is headquartered in Renwu (Kaohsiung) and is specialized in manufacturing various band strappers, banders, hand tools and steel clips. The unique and core techniques for manufacturing hand tools have successfully made its products sold to Europe and America and recognized by professional users. Furthermore, it has also received many OEM orders from int'l leading brands to manufacture topnotch quality products for them.

### Exclusive Technology That Helps It Win OEM Orders from Leading European/American Brands

Since the inception in 1980, Peng Kang has earned for itself a reputation of excellence in the industry. With the mission statement of sustainability, Peng Kang never stops improving its techniques and strengthening growth. "The price cutting competition on the general hand tools market is very fierce and China is also continuously improving its technology," says President Dai. "The reasons that Peng Kang could survive the always fierce price cutting competition are the unique and core technology inherited from my father in one hand and the consistent quality of our products in another hand."

### 40 Years of Manufacturing Experience and Continuous Improvements & Progress

Peng Kang currently focuses on its OEM business, has its own forging, casting, heat treating, stamping, metal processing, assembly, and packaging plants, and 50% of its production lines are automated, making it an all-inclusive manufacturing plant.

Its special hand tools (incl. stainless steel band strappers, banders, steel clips and stainless steel cutters) are available in various stainless steel materials and customizable as per client's request. Having a wealth of manufacturing expertise and experience, Mr. Dai truly appreciates the long-lasting support from customers, as "with their support, we could make improvements continuously and roll out better products on the market."

Heading forward, Peng Kang will continue to hold a serious attitude toward creating the best OEM service and products for every customer and will strictly comply with the requirements of product confidentiality in order to become the right hand of its customers.

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