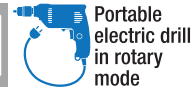


# Poly-clit Super Metal Core Bit



## Best for

Metal insulated sandwich panels  
(up to 130mm in thickness)

## Also can be used in

Galvanized metal siding

Metal siding

Stainless steel plate  
(up to 4mm in thickness)

Sheet metal  
(up to 4mm in thickness)

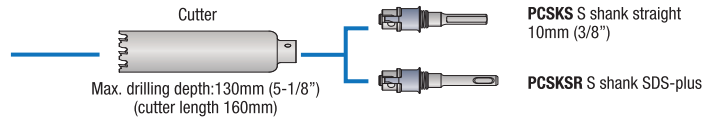
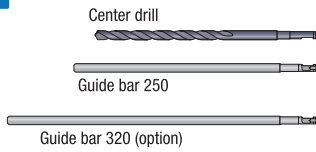
\*Steel deck plate

\*Intermittently drilling into steel deck plate may reduce durability.

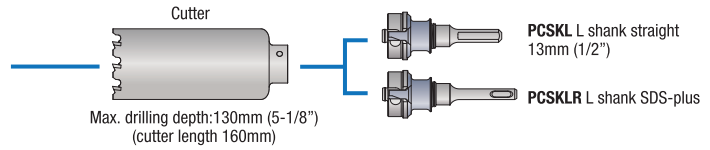
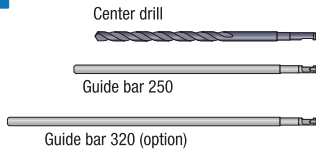
## Best for metal insulated sandwich panels ! (up to 130mm in thickness)



### Cutter dia. $\phi 25-38$



### Cutter dia. $\phi 50-220$



## Features

- Capable of drilling into metal insulated sandwich panels.
- Guide bar provides safe and smooth drilling into metal insulated sandwich panels.

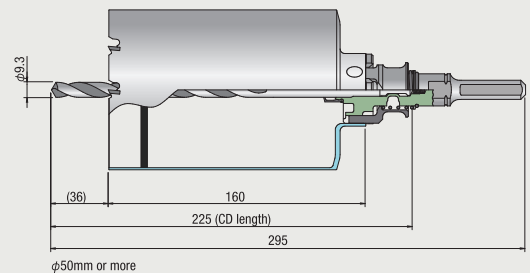
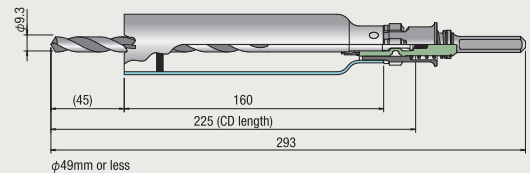
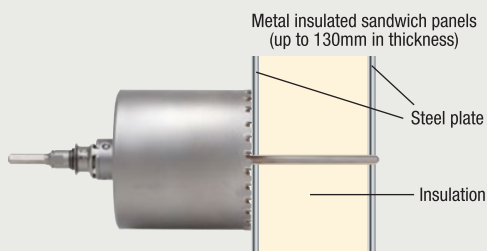
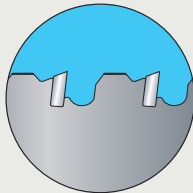
## For use in

- Metal insulated sandwich panels
- Galvanized metal siding

## For use with



- Portable electric drills in rotary mode only
- Light-weight hammer drills in rotary mode only

## Tip Design



**Size table** (The actual sizes are in metric, and imperial sizes are approximate.)

Max. drilling depth : 130mm (5-1/8")

| Cutter dia. |          | Cutter  | Guide plate  |
|-------------|----------|--|---|
| mm          | inch     |  |   |
| 25          | 1"       | PCSM25C  | PCSGP25   |
| 29          | 1-1/8"   | PCSM29C  | PCSGP29   |
| 32          | 1-1/4"   | PCSM32C  | PCSGP32   |
| 35          | 1-3/8"   | PCSM35C  | PCSGP35   |
| 38          | 1-1/2"   | PCSM38C  | PCSGP38   |
| 45          | 1-3/4"   | PCSM45C  | PCSGP45   |
| 50          | 2"       | PCSM50C  | PCSGP50   |
| 55          | 2-1/8"   | PCSM55C  | PCSGP55   |
| 60          | 2-3/8"   | PCSM60C  | PCSGP60   |
| 65          | 2-9/16"  | PCSM65C  | PCSGP65   |
| 70          | 2-3/4"   | PCSM70C  | PCSGP70   |
| 75          | 2-7/8"   | PCSM75C  | PCSGP75   |
| 80          | 3-1/8"   | PCSM80C  | PCSGP80   |
| 85          | 3-3/8"   | PCSM85C  | PCSGP85   |
| 90          | 3-1/2"   | PCSM90C  | PCSGP90   |
| 95          | 3-3/4"   | PCSM95C  | PCSGP95   |
| 100         | 3-7/8"   | PCSM100C   | PCSGP100  |
| 105         | 4-1/8"   | PCSM105C   | PCSGP105  |
| 110         | 4-1/4"   | PCSM110C   | PCSGP110  |
| 115         | 4-1/2"   | PCSM115C   | PCSGP115  |
| 120         | 4-3/4"   | PCSM120C   | PCSGP120  |
| 125         | 4-15/16" | PCSM125C   | PCSGP125  |
| 130         | 5-1/8"   | PCSM130C   | PCSGP130  |
| 140         | 5-1/2"   | PCSM140C   | PCSGP140  |
| 150         | 5-7/8"   | PCSM150C   | PCSGP150  |
| 155         | 6"       | PCSM155C   | PCSGP155  |
| 160         | 6-5/16"  | PCSM160C   | PCSGP160  |
| 165         | 6-1/2"   | PCSM165C   | PCSGP165  |
| 170         | 6-11/16" | PCSM170C   | PCSGP170  |
| 180         | 7"       | PCSM180C   | PCSGP180  |
| 200         | 7-7/8"   | PCSM200C   | PCSGP200  |
| 210         | 8-1/4"   | PCSM210C   | PCSGP210  |
| 220         | 8-5/8"   | PCSM220C   | PCSGP220  |

\*Complete set is not available. Purchase cutter, shank, center drill.  
Purchase a guide bar 320 if needed.

**Center drill / Guide bar**

| Item             | Part No.  | For use with   |
|------------------|-----------|--|
| HSS center drill | PCSMCD225 | Including Guide bar 250 (PCGWGB)   |
| Guide bar 250    | PCGWGB    | Up to 60mm in thickness. Provided with HSS center drill (PCSMCD225)            |
| Guide bar 320    | PCSMGB320 | Up to 130mm in thickness. Use after making a pilot hole with HSS center drill. |

**Poly-Clic Shank**

| Item                  | Part No.  | For use with                                    |
|-----------------------|-----------|---|
| S shank straight      | PCSKS     | φ25 – 45mm                                      |
| S shank SDS-plus      | PCSKSR    |   |
| S shank 200L straight | PCSKS200  | φ29 – 45mm                                      |
| S shank SDS-plus 200L | PCSKSR200 |   |
| L shank straight      | PCSKL     | φ50 – 220mm                                     |
| L shank SDS-plus      | PCSKLR    |   |
| L shank (10mm)        | PCSKLT    | φ50 – 80mm                                      |
| L shank 200L straight | PCSKL200  | φ50 – 220mm                                     |
| L shank SDS-plus 200L | PCSKLR200 |   |
| L shank 200L (10mm)   | PCSKLT200 | φ50 – 80mm                                      |
| X shank SDS-max       | PCSKXMKX  | φ50mm and above<br>(Over φ120mm is recommended) |
| X shank SDS-plus      | PCSKXR    | φ50mm and above                                 |

**CAUTION**

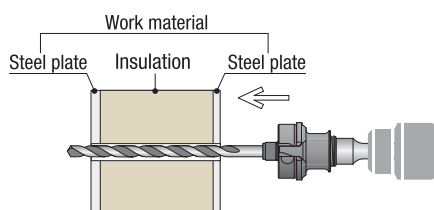
Be sure to use a guide plate to reduce cutter runout. (Guide plate comes with cutter)  
When the guide plate is worn, replace it with a new one.  
Drilled with the guide plate worn, the cutting edge may runout.



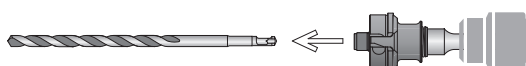
**How to use a Guide bar**

When drilling in metal sandwich panels or metal siding, first drill a hole with a center drill, and then replace it to a guide bar.

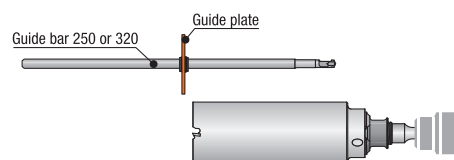
**1** Place the center drill at the center of the drilling position and drill a center drill hole. It is recommended to punch in the center of the hole with a punch.



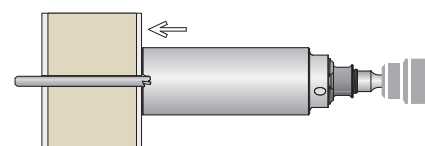
**2** Remove the center drill from the shank.



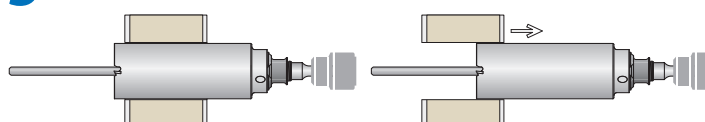
**3** Attach the cutter to the shank, attach the guide plate to the guide bar, and attach it to the shank.



**4** Slowly press the cutter against the work material while rotating the electric drill.



**5** After drilling, pull out the electric drill from the drilled hole while rotating it.



Poly-Clic Series  
S-LOCK Series  
Deltagon Bit Series  
Drill Bit Series  
ANEX Series  
Diamond Series  
METAL-ROCKER Series  
Holesaw Series  
Core Bit Series  
Disk Series  
Reference