

Left Hand Drills



CARDED

| IMPERIAL | | | | COBALT Carded 1 PCE | Suits Bolt Thread | |
|----------|------|--------|-------|---------------------------|-------------------|-------------|
| ø inches | ø mm | OAL mm | FL mm | | ø mm | ø inches |
| 5/64 | 1.98 | 43 | 18 | 9LI564COL | 4.0 - 4.5 | 5/32 - 3/16 |
| 7/64 | 2.78 | 44 | 19 | 9LI764COL | 5.5 - 6.5 | 7/32 - 1/4 |
| 5/32 | 3.97 | 50 | 25 | 9LI532COL | 8.0 | 5/16 |
| 1/4 | 6.35 | 64 | 34 | 9LI14COL | 10.0 - 12.0 | 3/8 - 1/2 |
| 19/64 | 7.54 | 107 | 81 | 9LI1964COL | 14.0 - 20.0 | 9/16 - 3/4 |

CARDED
1 PCE
Supplied on
hangle card



How to use

1. Centre punch the broken fastener.
2. Drill into the damaged fastener in reverse using the appropriate left hand drill size (see chart).
3. If the bolt does not reverse out, change to a larger size left hand drill. Most fasteners spin out before the hole drilling operation is finished.
4. The drill will grab the bolt when breaking through the backside. Typically, this is the stage when the broken fastener will spin out of the threaded hole.
5. If the drilling operation fails, a screw extractor will be required. The hole drilled forms a pilot hole for the screw extractor.

HSS Screw Extractors

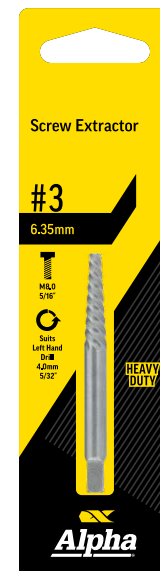


CARDED

| | ø mm | CARDED 1 PCE | Suits Left Hand Drill | | Suits Bolt Thread | |
|----|-------|-----------------|-----------------------|----------|-------------------|----------------|
| | | | ø mm | ø inches | ø mm | ø inches |
| #1 | 3.47 | 9SE01 | 1.98 | 5/64 | 4.0 - 4.5 | 5/32 - 3/16 |
| #2 | 4.80 | 9SE02 | 2.78 | 7/64 | 5.5 - 6.5 | 7/32 - 1/4 |
| #3 | 6.35 | 9SE03 | 3.97 | 5/32 | 8.0 | 5/16 |
| #4 | 8.33 | 9SE04 | 6.35 | 1/4 | 10.0 - 12.0 | 3/8 - 1/2 |
| #5 | 11.31 | 9SE05 | 7.54 | 19/64 | 14.0 - 20.0 | 9/16 - 3/4 |
| #6 | 17.05 | 9SE06 | 10.32 | 13/32 | 20.0 - 27.0 | 51/64 - 1 5/64 |

How to use

1. Centre punch the broken fastener.
2. Create a pilot hole by drilling into the bolt or screw in reverse using the appropriate left hand drill size (see chart).
3. If required, drill the hole out larger with a left hand drill, as this may be enough to remove the fastener without a screw extractor.
4. Select the correct screw extractor size (see chart).
5. With a tap wrench or spanner turn the screw extractor into the hole in an **anti-clockwise** direction. Continue turning until the stud is removed.



#1 - #5
CARDED - 1 PCE
Supplied on
hangle card



#6
Bulk - 1 PCE
Supplied in hangle
plastic pack