

WEARPARTS CHART

ROCK PICKS

SUITS DR4, DR6 & DR8 AUGERS
POCKET - DP-000C10



DP-00C3SR
19MM PICK

SUITS DR11 AUGERS
POCKET - DP-000C30



DP-OC31HD
25MM PICK

PILOTS

SUITS DR4
PILOT DRIVE
HEX



DRP-19-15
PILOT

SUITS DR6 - DR8

PILOT DRIVE
THREADED



DRP-19API
PILOT

PILOT DRIVE
TANG



DRP-19T
PILOT

SUITS DR11
PILOT DRIVE
TANG



DRP-25T
PILOT

PILOT PICKS

SUITS DRP-19-15/ DRP-19T PILOTS



DP-C1HDLR
PILOT TOOTH

SUITS DRP-25T PILOT



DP-OC31HD
PILOT TOOTH



Australian Designed and Manufactured

For further information on spare parts please contact one of the Digga sales office below your closest authorised Digga Dealer.

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DIGGA

DEDICATED ROCK AUGER OPERATORS MANUAL

Dedicated Rock Augers (DR) require constant maintenance to remain effective. The teeth must be free to rotate inside the pocket. Teeth that stop rotating will be inefficient and wear out faster causing damage to the tooth pockets and flights. Please read the following instructions and call Digga should you have any questions.

FOR USE IN FRACTURABLE ROCK ONLY



Do not use a dedicated rock auger (DR) to drill through earth or clay. This ground prevents the teeth from rotating, causing flat spots and premature wearing of the teeth.



Do not use grease or lubricants on the tooth. Mixed with dirt, lubricants forms a paste which prevents teeth from rotating in the pockets.



Check for slightest signs of flat spots on the teeth every time the auger is removed from the hole. Flat spots indicate a non-rotating tooth.

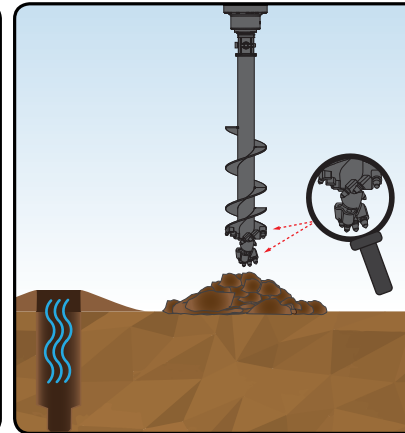
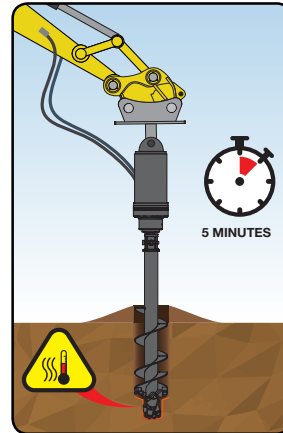


Always clean the drilling head prior to storage. Dirt will solidify over time making it harder for the teeth to rotate.



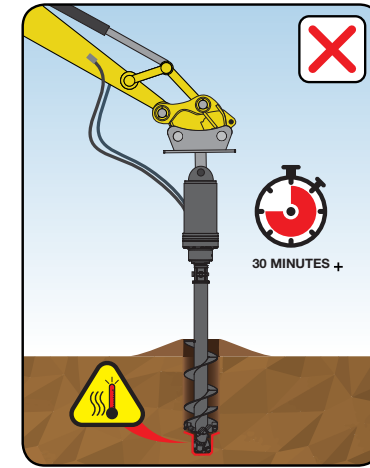
Regularly remove the teeth and clean pockets with a wire brush. Ideally after each days use. Especially if storing for an extended period of time.

TEMPERATURE CONTROL



When drilling in rock for extended periods of time, air is trapped in the hole creating an "oven", which can cause the face of the rock to "glaze over" and become even harder. For this reason, the operator needs to stop drilling and allow fresh air back in the hole minimum of every 5 minutes.

Every 5 minutes, the operator must stop drilling, bring the auger to the surface allowing the air back down the hole. Once spoil has been removed, visual inspection of teeth and pilot is needed to ensure they are in working condition and turning freely in pocket.



Drilling in rock for extended periods of time will cause the wearparts and pilot to heat up to an extreme temperature causing them to melt or fuse in the pocket. This will damage the drilling head and diminish drilling performance.

TIP: TRY PUTTING SOME WATER DOWN THE HOLE TO COOL IT DOWN AND TO MAKE THE SPOIL EASIER TO REMOVE

ROCK WEARPARTS INSPECTION

ROTATING PICKS

The teeth need to rotate while drilling to maintain an efficient cutting tip. The tungsten tip and tooth should be evenly pointed. Poorly maintained teeth reduce cutting efficiency and wear out faster costing time and money.



A flat spot on the tooth indicates the tooth has stopped rotating. If this occurs, you must free up the tooth by hitting it with a copper or dead blow hammer. In some cases, the tooth may need to be removed and reinstalled to clear obstruction. If the tungsten tip has been worn down and flattened, we recommend replacing the tooth.



REPLACE WORN TEETH IMMEDIATELY

TIP: PERIODICALLY USE A SOFT COPPER OR DEAD BLOW HAMMER TO TAP ALL TEETH ENSURING THEY ARE ROTATING FREELY IN THEIR POCKETS. THIS WILL ENCOURAGE EVEN WEARING AROUND THE TOOTH

USE A COPPER OR DEAD BLOW HAMMER

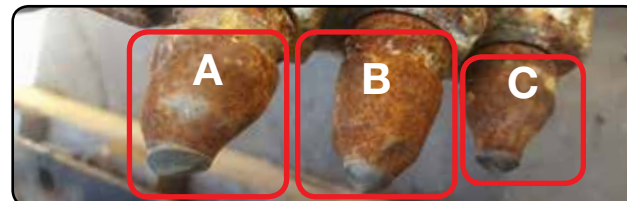


REMOVING TEETH

Use a punch or a rotating pick removal tool to remove teeth. Always use a copper hammer to knock teeth into the pocket. Using a hard hammer will shatter the tungsten tip.



WHEN TO CHANGE A TOOTH?



Tooth **A** not been rotating in the pocket and as a result the tooth is uneven and will cut poorly. We recommend changing this tooth.

Tooth **B**, indicates that they have been rotating in the pocket and "self sharpening". Tooth is good.

Tooth **C**, has been rotating in the pocket and wearing evenly. This tooth is still good but must be inspected regularly as it is nearing its wear life.

TIP: THE OUTSIDE TEETH WILL WEAR THE FASTEST AS THEY ARE TRAVELLING THE GREATEST DISTANCE SO WILL NEED REPLACING MORE OFTEN. TRY SWAPPING THE OUTER TOOTH FOR AN INNER TOOTH TO KEEP THE WEAR EVEN. ALWAYS USE YOUR BEST TEETH ON THE OUTSIDE POCKETS.

PILOT



Failure to change worn teeth will cause damage to the auger body and pilot requiring a new pilot or a costly repair. Always ensure the pilot teeth are rotating and in perfect condition.



Failure to regularly remove the auger during drilling will result in premature pilot damage.