		<b>Rock Bit Care - Button</b>	
The total life or distance that a rock bit will drill depends of the major factor both in the cost and performance of any	on many rock bit	factors. Of these, rock bit reconditioning can be button or rooftop insert.	
<b>BODY WEARS AWAY – EXCESSIVE PROTRUSION</b> Button bits should be reconditioned when the body wears away than the button wears, causing it to protrude excessively. This prevent the button from pinching or shearing off. This frequentl happens in softer abrasive ground.	y faster will y		
<b>WORN FLUSH WITH BODY</b> When the button wears at a more rapid rate than the body, especially in harder, more abrasive rock, the buttons should be reconditioned frequently.			
<b>SURFACE FRACTURING</b> Button bits should be reconditioned if the buttons polish or show signs of surface fracturing in non-abrasive rock. This will preve surface fractures from propagating which could result in fracturi buttons.	ws int the ing the		
		<b>Rock Bit Care - Rooftop</b>	
<b>DULLNESS OF CUTTING EDGE</b> Rooftop bits should be reconditioned when the dullness of the cutting edge is 3/32" (2.5mm) flat, measured on the gable halfway between the center hole and the outside diameter of the bit.			
WORN OUTSIDE CORNER A bit should be sharpened when the outside corner of the insert has worn in excess of 3/16" (5.0mm) radius.		AN IN A	
<b>REVERSE GAUGE</b> Rock bits should be gauge ground when the bit begins to reverse gauge.			
<b>SURFACE FRACTURING</b> In non-abrasive ground, a bit should be sharpened periodically to remove any high polished area of the insert or surface fracturing to prevent the surface fractures from propagating which could result in a fractured insert.			
		Tips on Drilling	
<b>BE PREPARED</b> Experienced, skilled drill operator Avoid improper bit handling, i.e. carbide against carbide damage Drill rig properly lubricated	Suffic Keep Strikir	Sufficient drilling accessories on hand Keep accessories clean and free from damage Striking face is square and true	
STARTING THE DRILL	Align Begin	Align and collar the hole properly Begin slowly and adjust the feed and throttle as the bit buries	
DRILLING Maintain enough rotation for good penetration	Exces Mainta	Excessive rotation will wear the gauge Maintain correct feed pressure	
Insufficient air pressure leads to a loose drill string and premature wear Sufficient air pressure is ideal to keep the bit from bouncing on the bottom Too much pressure will buckle and bind the steel in the hole	Over 1 Over 1 hangi	Over feeding in hard rock will reduce penetration Over feeding in soft rock can lead by burying the bit and hanging the steel	
CLEAN HOLE Blow the hole frequently when drilling deep	Soft o Blow	Soft or muddy ground can seep, causing the steel to hang up Blow with every drill rod added below the hole, preventing a plugged steel	
DRILL DIESELING	Diese	ling heats up the drill and burns off the lubricant	
Occurs with insufficient feed pressure Also happens with full throttle when withdrawing the bit	Resul Stop of feed r	Results could include a destroyed hammer Stop dieseling by reducing the drill throttle and increasing feed pressure	
CHANGING BITS Try to follow a larger bit with a smaller bit	Use Iu Remo	Use lubricant on bits, as well as couplings and steel threads Remove bits with a bit wrench or "rattle" loose, no beating	
ity to use new bits with new steel	with a	nammer	