

Warranty criteria of concrete drill bit breakage claims

水泥鑽頭斷裂保固範圍及內容

How to check the lifetime of drill bits.

1. Wear of carbide tip head.
2. Wear of the spiral fluting.
3. Wear of the shank connection end.

如何檢查鑽頭的壽命。

1. 碳化鎢合金刀頭磨損。
2. 螺旋溝槽的磨損。
3. 柄連接端的磨損。




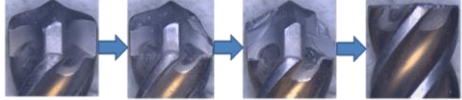

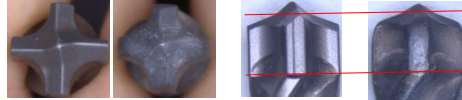
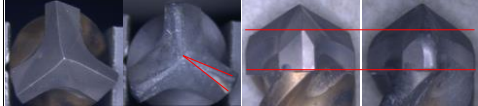

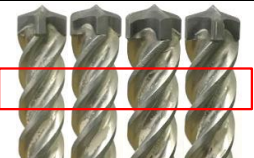
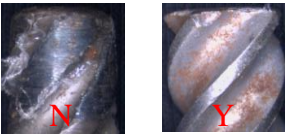

Drill bits may be damaged by the following reasons:

1. Lifetime reached.
2. Using with the unsuitable machine.
3. Drilling into the unsuitable material.
4. Drilling over the maximum drilling depth.

鑽頭可能由於以下原因而被損壞：

1. 使用壽命到達。
2. 使用不合適的工具。
3. 鑽入不適合的材料。
4. 鑽深超過最大鑽孔深度。

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狀態 condition	現象 remark	warranty	原因 Cause
	SHANK斷裂 (Breakage of Spiral flute)	N	鑽孔超過過標示範圍或超過磨損極限導致金屬疲勞斷裂。 Drilling over maximum drilling depth.
		N	超過SHANK的磨損極限導致金屬疲勞斷裂。 Drilling beyond the wear-limit of flute results in metal fatigue.
	SHANK斷裂 (Breakage of flute)	N	鑽孔深度超過標示範圍。 Drilling beyond the wear-limit of flute results in metal fatigue.
	碳化鎢刀刀破損 Carbide blade broken,	N	鑽入硬值物體導致碳化鎢刀刀破損 Drilling hard objects causes damage to the tungsten carbide blade
	碳化鎢刀刀破損，繼續使用導致碳化鎢刀刀斷裂 Carbide blade broken, Continued use leads to Breakage of carbide tip	N	鑽入硬值物體導致碳化鎢刀刀破損，刀刀破損下繼續使用導致碳化鎢刀刀斷裂 Drilling into a hard object causes damage to the tungsten carbide blade, Under continued use of blade breakage resulting in tungsten carbide blade fracture
			
	碳化鎢刀刀磨耗 Wear of carbide tip	N	碳化鎢刀頭已經磨圓，刀刀變寬。 As shows in the left picture.
	碳化鎢刀刀磨耗 Wear of carbide tip	N	碳化鎢刀頭已經磨圓，刀刀變寬。 As shows in the left picture.
	碳化鎢刀刀磨耗 (Wear of carbide tip)	N	在旋轉模式下鑽入極硬材料，超過碳化鎢刀頭的磨損極限，會造成碳化鎢刀頭及SHANK接合處出現燒焦般藍色。 The burnt "blue" shows wear-limit when drilling beyond the wear-limit of carbide tip, drilling in rotation mode, or drilling into extremely hard
	碳化鎢刀刀脫落 (Carbide tip separation)	N	使用壽命 Lifetime *當SHANK燒焦並變成“藍色”時，碳化鎢刀頭脫落。 *When the flute is burnt and turned "blue", and the carbide tip is come off.
		Y	接合缺陷 Joining defective *當碳化鎢刀頭脫落時，SHANK無燒焦並無呈“藍色”時，且磨耗記號存在
	磨耗痕跡(只有線徑10mm以上到16mm以下) Wear marks (Only on bits 10 mm to 16mm)	Y	磨耗記號存在 Wear marks Still visible
		N	磨耗記號消失，使用壽命結束 Wear marks disappear, end of life expectancy
	碳化鎢刀刀分離 Carbide tip separation	Y	當硬質合金尖端脫落時，刀部無燒焦並變成“藍色”時，且磨耗記號存在 When the carbide tip is come off without burring and turning "blue" on the flute, and wear marks exist
		N	硬質合金尖端脫落，刀部燒焦並變成“藍色”時 When the flute is burnt and turned "blue", and the carbide tip is come off.
	SDS無法安裝於電錘鑽 SDS can not be mounted on a hammer drill	N	長時間使用導致圓方槽磨耗，無法安裝至於工具機。 Long-term use lead to round square groove wear, can not be installed to rotation hammer drill.
	碳化鎢刀刀破損，磨耗線存在 Carbide blade broken, wear marks exists	N	碳化鎢刀刀破損，磨耗線存在 Carbide blade broken, wear marks exists