



Nothing but **HEAVY DUTY.**™

CHISELS

TECHNICAL INFORMATION

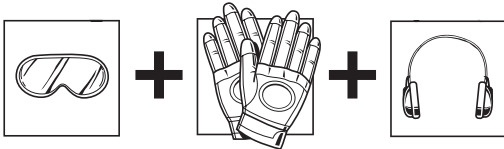


Application notes

Chisels are subject to high stress. We recommend observing the following rules to significantly reduce wear and increase service life.

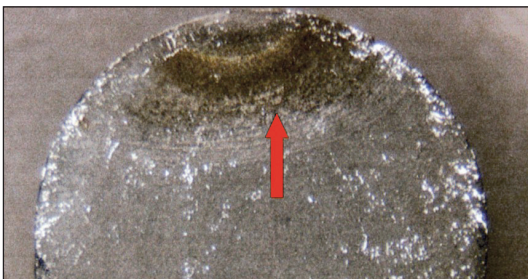
- Grease chisel shank regularly
- Keep shanks clean and protected
- Avoid overheating of chisel shank and chisel point
- Keep working intervals short
- Do not use the chisel as a crowbar
- Do not allow the chisel to heat up on steel
- Do not store chisels outdoors at temperatures below freezing
- Always wear eye protection, gloves and ear protection
- Keep working intervals short to avoid excessive stress on wrists

Safety First



Breakage claims

1) Breakage caused by friction



Symptom:

Shank breakage, mostly with level break surface, at 90° angle to longitudinal axis of chisel.

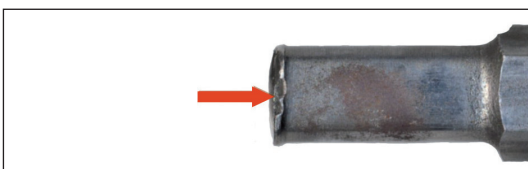
Cause:

Friction to the shaft caused by rubbing the tool shaft against object.

Guarantee claim:

Not accepted

2) Breakage caused by excessive strain/friction



Symptom:

Shank breakage, mostly level break surface, at 90° angle to longitudinal axis of chisel.

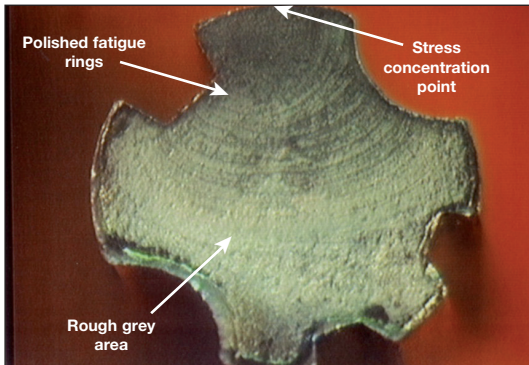
Cause:

Excessive strain (overloading) caused by working on very hard material, like steel.

Guarantee claim:

Not accepted

3) Breakage caused by leverage



Symptom:

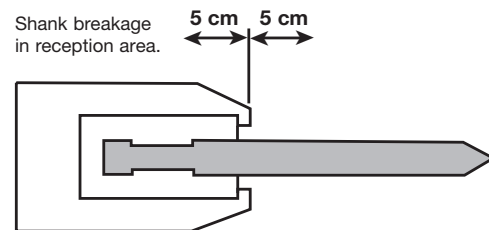
Shank breakage in reception area (5 cm either side of the chuck). Mostly a level break surface, at a 90° angle to longitudinal axis of chisel. The “polished” semi circular rings represent the fatigue area. Generally the size of the fatigue area indicates the level of stress applied to the tool (ie. smaller fatigue area = higher stress level).

Cause:

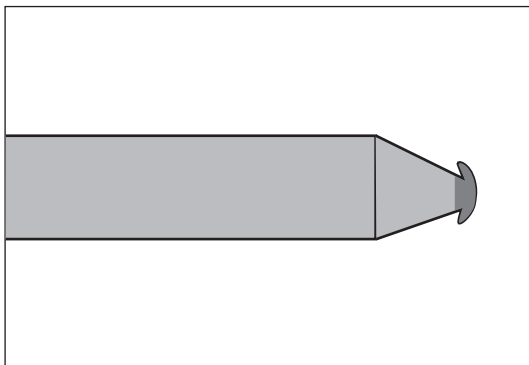
Leverage under excessive strain.

Guarantee claim:

Not accepted



4) Wear



Symptom:

Worn tool point.

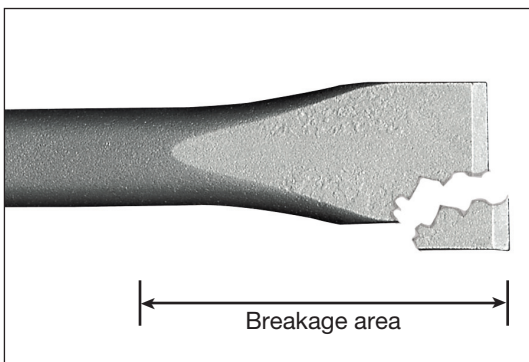
Cause:

This is caused by driving the point into hard dense material or steel for too long a period of time without penetration. This generates intense heat causing the point to soften and “mushroom”.

Guarantee claim:

Not accepted

5) Breakage at working end



Symptom:

Breakage with fissured/rough break surface. Tool failure after very short time period. Only little wear.

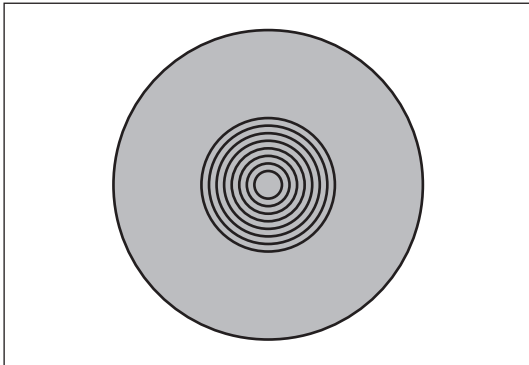
Cause:

Ineffective forging.

Guarantee claim:

Accepted

6) Breakage caused by manufacturing fault

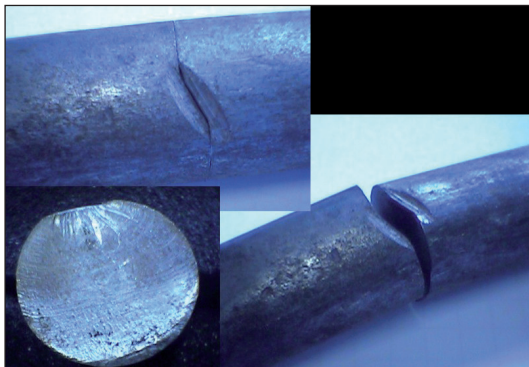


Symptom: Fatigue/stress rings originate from a internal point, not outer diameter.

Cause: Steel defect.

Guarantee claim: Accepted

7) Breakage caused by engraving

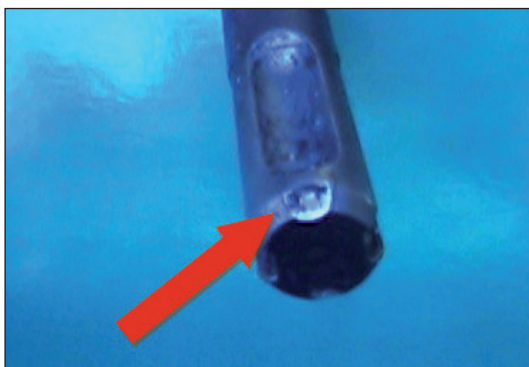


Symptom: Shank breakage on marked/engraved area.

Cause: Users on sites are marking tools to avoid confusion and thefts!

Guarantee claim: Not accepted

8) Damage to chisel reception



Symptom: Chisel reception is damaged.

Cause: Inserting the chisel into the hammer chuck without locking is causing too much sideways movement. Hammer chuck may also be worn out and not holding/fixing the chisel correctly and leading to damage.

Guarantee claim: Not accepted



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