



1. What is shown in the picture?
2. What injuries may be caused by the failure of this piece of equipment?
3. What are the main causes of this type of failure?
4. What steps can we take in order to protect ourselves from this hazard?
5. What does it say in our onboard risk assessment concerning the use of this equipment?

## 1. What is shown in the picture?

*A shattered grinding wheel cutting disc.*

## 2. What injuries may be caused by the failure of this piece of equipment?

*Injuries can be serious and even fatal. Fragments of the shattered cutting disc will fly towards the operator at high speed. Injuries to the face and eyes are most common.*

## 3. What are the main causes of this type of failure?

*Discs shatter for different reasons including, but not limited to, the following: -*

- *Using a damaged grinding wheel*
- *Using the wrong type of disc for the job*
- *A mismatch between disc speed and machine speed*
- *Poorly maintained machines or poorly fitted discs*
- *Lack of operator training*
- *Careless operation*

## 4. What steps can we take in order to protect ourselves from this hazard?

- *Only use good quality discs suitable for the job in hand*
- *Never operate the machine without the guard in place*
- *Always wear appropriate PPE*
- *Training of personnel in proper use of the machinery*
- *Grinding discs and wheels should be well maintained*

## 5. What does it say in our risk assessment concerning this equipment?

*Please review your onboard procedures for grinding machines and power tools.*