



MSHA's Accident Prevention Program Safety Idea

**SAFETY
IS A
VALUE!**

Roof Beam Supports

Category : Section Face Equipment

Mine Type: Underground Coal

Safety Tip: Add a strap, cable, or bolt support for roof beams

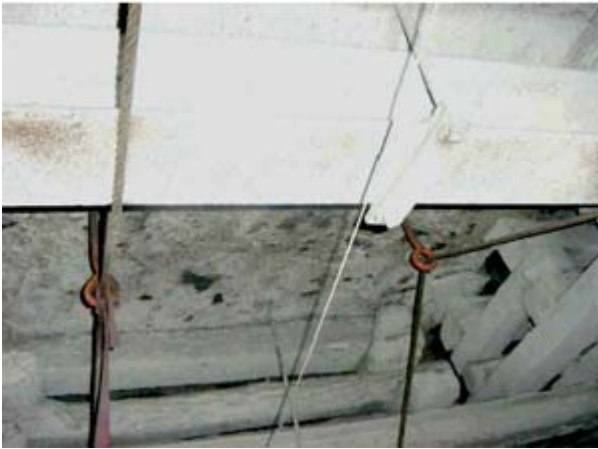
Two miners died recently when a false roof collapsed on them. The roof beams had been supported by rails hitched into the ribs. When the ribs sloughed-off over time, the hitched rails could no longer support the structure.



Another dangerous situation can occur if the posts that are supporting beams become dislodged, such as being struck by a haulage vehicle.



Collapse of roof beams can be prevented in these situations by running straps or suspended cable supports under the beams, or by bolting the beams.



By adding these types of supports, the roof beams themselves will not create a falling-material hazard if the posts (or coal ribs) supporting them are inadvertently dislodged.

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Remember – Safety is a Value that you can LIVE with!