

Back Injury Avoidance

KEY POINTS

- When working with materials, tools or equipment, lift with your legs, not your back.
- Get help when moving materials, tools or equipment.
- Limit the weight of loads to be lifted.
- Don't twist with the load.
- Don't reach or extend oneself to lift an object.
- Use material handling aids.

Over 70,000 people a year experience back injuries and describe them as the most costly and painful accidents of their lives. The low back is the most frequently injured part of the body. Strains and sprains are the leading disabling injury.

Training can impact improper lifting, a major element in back injuries, and safety engineering can eliminate many other causes. However, it won't be enough unless the employee uses common sense on the job.

Management should also evaluate those work areas that have the greatest frequency of back injuries. Are there tasks which have a high incidence of injury to the lower back? If a certain task creates problems, ergonomic principles may be applied. Perhaps the problem can be engineered out through the reduction

of the weight to be lifted, partial automation or the use of material handling equipment. Even after this has been done, it is important to train the employee in the hazards associated with manual lifting in the workplace.

The following tips might help avoid a painful and costly back injury:

- When working with materials, tools or equipment, lift using your legs, not your back.
- When moving materials, tools or equipment, make sure of its weight and position of the equipment before attempting the job alone. Better to take the time to use the help of a co-worker rather than suffer a back injury by trying to hurry.
- Limit the weight of loads to be lifted. Items that need moving by manual lift should not weigh more than 50 lbs., preferably 25 lbs. No employee should attempt to lift a 100 lb. weight without assistance.
- Don't twist with the load. Proper lifting techniques teach employees to bend their knees and pick the load up carefully. However, many employees make the mistake of twisting with the load—this can put additional strain on the back, and may lead to an injury.
- Don't reach or extend oneself to lift an object. Leaning to lift even a relatively light object, without support, can cause a back injury. Take the time to get close in for a proper manual lift.
- Use material handling aids whenever possible, such as hand trucks, dollies or carts.

Remember— employees should also use safe lifting practices at home and during recreational activities. It doesn't do much good to practice safety all week at the

The Experienced
Workers'
Compensation
Specialist

workplace, only to injure one's back while performing daily activities at home.

For further information or assistance, contact your Zenith Safety & Health consultant.

Zenith provides workplace safety resources at: **TheZenith.com**

RM132MAN 2

Zenith Insurance Company/ ZNAT Insurance Company. 21255 Califa Street. Woodland Hills, CA 91367 ©2009 Zenith Insurance Company. All Rights Reserved. ©Zenith and TheZenith are registered US service marks. Zenith Insurance Company (Zenith) assists employers in evaluating workplace safety exposures. Surveys and related services may not reveal every hazard, exposure and/or violation of safety practices. Inspections by Zenith do not result in any warranty that the workplace, operations, machinery, appliances or equipment are safe or in compliance with applicable regulations. Any recommendations and related services are not and should not be construed as legal advice or be used as a substitute for legal advice. Employee protection is ultimately the responsibility of the employer. Policy coverage is not contingent upon the provision, efficacy or sufficiency of these services.