



Topic: Ergonomic Safety

Every part of the body is affected by the ergonomic design of the workplace. Factors that contribute to ergonomic design include:

- The amount of repetition involved with the job
- The duration of applied force from pushing, pulling, lifting or gripping
- The amount of force exerted or the weight of the load
- A person's posture, reach and grip positions
- Heights and distances to working surfaces, materials and supplies
- Age, physical stature, weight, physical ability

Injuries resulting from poor ergonomic design are sometimes acute, such as sprains, but are often cumulative such as carpal tunnel syndrome. Follow the safety tips below to help improve the ergonomic performance in your work area.

GENERAL

Stretch the muscles several times a day before starting work. Statistics have shown that the majority of injuries occur after coffee or lunch breaks – this is because many people think of stretching at the start of the work day, but don't realize their muscles have shortened during a break and need to be stretched again. Know your physical limitations. Don't attempt to perform activities when the work environment is not suited to you.

BACK AND LEGS

Have materials and supplies raised to waist level so bending is minimized. This will help avoid lower back sprains and pulled hamstrings. If bending is required, bend at the knees and use the leg muscles to raise and lower the body. Avoid work conditions where the shoulder blades are compressed. This is common in office environments and tight working areas. Move keyboards away and down to a location where the arms are relaxed, elbows comfortably at sides and forearms parallel with the floor. Always ask for help if loads are too heavy or awkward.

ARMS, WRISTS AND HANDS

When working with power tools or other hand-held objects, avoid situations where the wrist is bent. Carry loads close to the body with a clear line of sight to the travel path. Avoid carrying loads away from the waist or reaching for extended periods. Avoid using tools that vibrate continuously or aggressively, or require prolonged pinching or gripping.

EYES AND NECK

Computer monitors should be at eye level and the neck should not be tilted up or down. Use a document holder for prolonged keyboarding. Ensure there is proper lighting in the work areas and computer monitors are positioned to minimize eyestrain (ideally, without a window behind the monitor).

Toolbox Attendance

Questions? _____

Concerns? _____

Days since Last Incident: _____

Supervisor/Meeting Leader: _____ Date: _____

Signatures of attendees:

Manager review comments:

Manager signature: _____ Date of Review: _____