



OUTLINE

- S.A.F.E
- Milwaukee Leadership in Health & Safety
- Hierarchy of Controls
- Pillars of Health & Safety
- Pillars Overview: '
- Dust Management
 - Vibration/ Noise
 - Ergonomics
 - Safety Technology
 - Visibility
 - Emissions
 - Personal Safety





Safety Week Presentation Options

Our Safety Training Process

- Musculoskeletal Injuries
- Hand & Arm Protection
- Slips, Trips, Falls
- Struck By
- Silica
- Power Tools 101
- Tool Tethering

- S. Situational Awareness
- A Access
- Familiarize
- = Eliminate









HIERARCHY OF CONTROLS





























ELIMINATION

Eliminate or remove the hazard from the workplace.

SUBSTITUTION

Replace with less hazardous condition, practice or process.

ENGINEERING CONTROLS

Physical change that reduces exposure, isolates worker from hazard.

ADMINISTRATIVE CONTROLS

Improvements in the way work is done.

PPE

Protect workers with Innovation in Personal Protective Equipment.



Milwaukee HEALTH & SAFETY



VIBRATION / NOISE

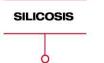
ERGONOMICS

SAFETY TECHNOLOGY

VISIBILITY

EMISSIONS

PERSONAL







































































2.3 MILLION
workers are exposed to
SILICA HAZARDS in their
workplace.

There is NO
CURE for this disease thus
PREVENTION
is the only answer

SILICOSIS



DUST COMPLIANCE

MADE SIMPLE

SILICOSIS

Silicosis is lung disease caused by inhalation of crystalline silica dust. Recent OSHA fines as much as \$300k.









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ERGONOMICS



MSDs











Musculoskeletal Disorders (MSDs)

MSDs are conditions that can affect your muscles & joints.

They have increased 12% across our core trades, resulting in over 20k injuries.

An elbow epicondylitis (Tennis elbow) surgery can cost \$20k.









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VIBRATION / NOISE

VIWF / EARDRUM DAMAGE









PERMANENT HEARING DAMAGE

Sound vibrates the eardrum and tiny bones in the ear which in turn vibrates the hair cells in the inner ear. Exposure to loud noises over time can permanently damage the hair cells, causing hearing loss.

Vibration Induced White Fingers (VIWF) / EARDRUM DAMAGE

VIWF is a vascular disorder that can result in permanent loss of feeling.

Carpal Tunnel Syndrome is an inflammation of the nerve and can cost \$30k for surgery.









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AUTO STOP™/ RAPIDSTOP™

AUTOSTOP™: Technology that automatically shuts down a tool electronically in a loss of control situation.

RAPIDSTOP™: Technology that utilizes a braking system to quickly stop the accessory's movement.











VISIBILITY







TRIPS

SITE LIGHTING PERFORMS. SURVIVES.



Common causes of slips, trips and falls include:

- Inadequate lighting
- Objects of cords obstructing walkways











EMISSIONS

Most SKILLED TRADES are

exposed to air contaminants more

than **ONCE** per week





INHALATION



INHALATION

Construction trade workers are about twice as likely to develop respiratory diseases. Higher mortality rates among construction trade workers may be attributed to their exposure to contaminants like gases.











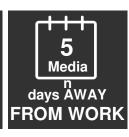








70%
of hand injuries
occur when the
user was NOT
WEARING
GLOVES



AVERAGE HAND INJURY CLAIM COST

Avg loss per claim: \$22,384

Stitches: \$2,000

Avg Extremity Trauma: \$730k

ACUTE INJURIES

Vented (class C) hard hats offer temperature reduction but are not voltage rated.

Unvented hard hats are proof-tested for electrical work with up to 20k volts.







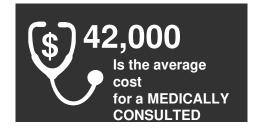








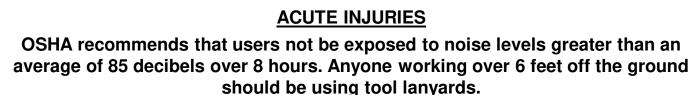




ACUTEINJURIES







In the United

States there is one











Quick Resources & FAQs

Milwaukee Tool

Service Warranty



Reference Guides



Milwaukee Website



≛ Download Operator's Manual

PRODUCT SPECIFICATIONS

Nut Busting Torque	250 (ft-lbs)
Fastening Torque	250 (ft-lbs)
Anvil Type	3/8" Square w/ Friction Ring
Length	4.8"
Width	2.56"

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