CRAWFORD BOOTS

Foot injuries for mining

RISK MANAGEMENT - 2021

Risk factors combined with ill-fitting footwear	Identifiable hazard	Harm caused by hazard (consequence)	GUMBOOTS			CRAWFORD BOOTS			CRAWFORD BOOTS Controls in place regarding PPE footwear
			Likelihood of occurrence	Consequence of harm	Risk associated	Likelihood of occurrence	Consequence of harm	Risk associated	
Job requirements	Repetitive physical work	Lower limb Musculoskeletal Disorders (MSD) such as joint injuries, joint degeneration, arthritic changes, plantar fasciitis, bursitis	Almost Certain	Minor	High	Possible	Insignificant	Low	WedgeTech™ Personalised Lock-fit System creates a personalised fit, reducing excess foot movement and muscle overuse
Slips, trips and falls	Loss of balance	MSD, ankle injuries, ankle fractures, knee injuries	Likely	Moderate	High	Possible	Minor	Moderate	Ankle support and personalised fit through use of the WedgeTech™ Personalised Lock-fit System
	Uneven & hazardous ground conditions	MSD, ankle injuries, ankle fractures, knee injuries	Almost Certain	Moderate	High	Possible	Minor	Moderate	Heel counter, heel spur and energy absorption heel improve ankle joint proprioception and balance
	Limited visibility	MSD, ankle injuries, ankle fractures, knee injuries	Possible	Moderate	High	Possible	Minor	Moderate	Heel counter, heel spur and energy absorption heel improve ankle joint proprioception and balance
	Muscle fatigue resulting in poor concentration	MSD	Likely	Minor	Moderate	Unlikely	Insignificant	Low	WedgeTech™ Personalised Lock-fit System creates a personalised fit, reducing excess foot movement and muscle overuse
	Wet conditions	MSD, ankle injuries, ankle fractures, knee injuries	Likely	Moderate	High	Possible	Minor	Moderate	Combine the stability and fit of a leather boot with the waterproof capabilities of a gumboot
Items falling from heights (-10kg)	Crush injury to foot (minor)	Fracture to subtalar joint arthritis (STJ) or metatarsal area	Unlikely	Moderate	Moderate	Unlikely	Moderate	Moderate	Reinforcement across metatarsal area
Items falling from heights (+10kg)	Crush injury to foot (moderate)	Fracture to STJ or metatarsal area	Unlikely	Moderate	Moderate	Unlikely	Moderate	Moderate	Reinforcement across metatarsal area
Boot wear for 10-hour shifts	Muscle fatigue, extrinsic & intrinsicmuscle overuse	Lower limb Musculoskeletal Disorders (MSD) such as joint injuries, joint degeneration, arthritic changes, plantar fasciitis, bursitis	Likely	Minor	Moderate	Unlikely	Insignificant	Low	Combine the stability and fit of a leather boot with the waterproof capabilities of a gumboot, reducing foot and lower limb muscle overuse. Microban antimicrobial and antifungal lining means less friction/rash, dermatitis
Extended amount of walking	Muscle fatigue, extrinsic & intrinsicmuscle overuse	Lower limb Musculoskeletal Disorders (MSD) such as joint injuries, joint degeneration, arthritic changes, plantar fasciitis, bursitis	Likely	Minor	Moderate	Unlikely	Insignificant	Low	Crawford Boots providing the fit & stability of a leather boot with the waterproof capabilities of a gumboot, means less foot & lower limb muscle overuse. Microban antimicrobial & antifungal lining means less friction/rash, dermatitis
Long-term wear of boots	Muscle fatigue, extrinsic & intrinsicmuscle overuse	Lower limb Musculoskeletal Disorders (MSD) such as joint injuries, joint degeneration, arthritic changes, plantar fasciitis, bursitis	Likely	Minor	Moderate	Unlikley	Insignificant	Low	Crawford Boots providing the fit & stability of a leather boot with the waterproof capabilities of a gumboot, means less foot & lower limb muscle overuse. Microban antimicrobial & antifungal lining means less friction/rash, dermatitis

Note: MSDs from muscular stress and falls contribute to at least 30% of claims in icare NSW Workcover (NSW Department of Industry: Resources Regulator 2009, A practical guide to preventing musculoskeletal disorders in the NSW mining industry, NSW Department of Industry: Resources Regulator, NSW.). The average cost of a MSD claim is $11,000, with the total cost of MSD-related mining injuries costing the industry around $9.5million per year (NSW Department of Industry: Resources Regulator 2009, A practical guide to preventing musculoskeletal disorders in the NSW mining industry, NSW Department of Industry: Resources Regulator, NSW.). The majority of mine sites use a reactive approach to identify risks in MSD (NSW Department of Industry: Resources Regulator 2009, A practical guide to preventing musculoskeletal disorders in the NSW mining industry, NSW Department of Industry: Resources Regulator,NSW.)

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