

KNOW YOUR SAFETY STANDARDS

ASTM FOOTWEAR STANDARDS GUIDE



SAFETY TOE
ASTM F2413 M/I/C
Safety toe footwear that meets the toe impact and compression resistant requirements.



PUNCTURE RESISTANT
ASTM F2413 PR
Safety toe footwear that meets the puncture resistant requirements.



METATARSAL GUARD
ASTM F2413 Mt
Protective footwear that meets the metatarsal impact resistant requirements.



ELECTRICAL HAZARD
ASTM F2413 EH
Safety toe footwear that meets the electrical hazard requirements.



SLIP-RESISTANT
ASTM F3445 SR
Footwear that meets the slip resistance requirements when tested to ASTM F2913 whole shoe test method.



ANTI-VIRAL
ASTM F1671
Protects against penetration by blood-borne pathogens.

ASTM LABELING



ASTM F2413 Sets the pass/fail performance criteria for safety toe footwear

-18 Specifies the year the standard was last revised

I&C Signifies toe impact & compression protection

M Indicates Men's
F Indicates Women's

EH Electrical Hazard
Mt Metatarsal Guard
PR Puncture Resistance

Additional protections beyond the toe cap

FOOTWEAR BRAND	SAFETY TOE	SLIP RESISTANT	ELECTRICAL HAZARD	ANTI-VIRAL
FLITE	✓	✓	✓	✓
PYLON	✓	✓	✓	✓
PREMIER G2	✓	✓	✓	✓
PROFILE	✓	✓	✓	
BADGER	✓	✓	✓	
PILOT G2	✓	✓		
PULSAR	✓	✓		

STEEL TOE VS COMPOSITE TOE

TRADITIONAL
LEAST EXPENSIVE

NON-METALLIC
REDUCE COLD-TRANSFER

SLIP RESISTANT ASTM F3445

Establishes the minimum coefficient of friction requirements to label footwear as slip resistant.

Tingley offers many footwear options that meet the slip resistant criteria.



UNDERSTANDING ELECTRICAL RISK

EH ELECTRICAL HAZARD

Nonconductive to significantly reduce the flow of electricity through the shoe and to ground, reducing the possibility of electrocution.¹

Ideal applications: Construction, various trade crafts, and trenching & excavation workers

CD CONDUCTIVE

Designed to rapidly conduct static electricity into the neutral ground to eliminate electrostatic discharges and sparks.

Ideal applications: Ammunitions or fireworks manufacturing

SD STATIC DISSIPATIVE

Function is similar to conductive CD footwear, except that the rate of static electricity flow into the neutral ground occurs more slowly. This is because static dissipating (SD) footwear has slightly higher electrical resistance than CD footwear.²

Ideal applications: Electronics manufacturing, certain solvents and dry powder transfer applications, paint spray booths, and petrochemical

DI DIELECTRIC

Designed to provide significant isolation or insulation in step-potential environments during incidental contact with energized electrical conductors, apparatus or circuits.

Ideal applications: Linemen, battery rooms, electrolytic smelting, transformer bonding and grounding, and other high voltage applications

¹ Intended as a secondary source of protection to reduce the potential of electric shock.

² SD may be qualified at three different levels: SD-100, SD-35, SD-10

FOOTWEAR SAFETY STANDARD CROSS REFERENCE

SAFETY TOE
ASTM F2413 M/I/C



SLIP-RESISTANT
ASTM F3445 SR



ELECTRICAL HAZARD
ASTM F2413 EH



ANTI-VIRAL
ASTM F1671



PROTECTIVE FOOTWEAR FOR ANY JOB