TIMBERLAND PRO®
Hightower
6” Alloy Safety Toe Waterproof

TB0A1KKS214

MADE for WOMEN
WOMEN'S FIT

ALLOY SAFETY TOE | WATERPROOF MEMBRANE | WATERPROOF LEATHER | BLOOD-BORNE PATHOGEN | 18KV ELECTRICAL HAZARD | ALL-WEATHER TPU SOLE | ANTIMICROBIAL ODOR CONTROL

ANTI-FATIGUE TECHNOLOGY™

30 30-DAY COMFORT GUARANTEE

30 Day US and Canada only

FEATURES:

- Built on women’s specific last for optimal fit and comfort
- Premium full-grain waterproof leather with waterproof membrane
- Alloy safety toe shaped on women’s last
- Cement construction
- Cast metal hardware
- Antimicrobial treated lining for odor control
- Fiberglass shank for structural support
- Weight size 7 - 610g

ALL-WEATHER THERMOPLASTIC URETHANE OUTSOLE:

- Slip resistant
- Oil resistant per SATRA TM63
- Heat Resistant up to 248°F using EN/ISO 20344:2004 (120°C)
- Abrasion resistant
- Non Marking

DYNAMIC ANTI-FATIGUE TECHNOLOGY POLYURETHANE FOOTBED:

- Durable: resists compression set over time
- Resilient: recovers for next foot strike
- Mono-sided inverted Anti-Fatigue Technology cones
- Contoured bio-mechanically engineered top surface helps maintain proper gait
- Dynamic arch adapts to different foot shapes for maximum comfort

ELECTRICAL HAZARD

18KV ELECTRICAL HAZARD

- Provides secondary underfoot protection against live electrical circuits, electrically energized conductors, parts or apparatus. Meets ASTM F2412-11, ASTM F2413-11 and ASTM F2892-11 standards.

Women's 5.5-10 11 12

USA Men's	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	11	12
USA Women's	5.5	6	6.5	7	7.5	8	8.5	9	9.5		10	10.5	11	12	
United Kingdom	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10	11
Europe	36	36.5	37	37.5	38	38.5	39	40	41	41.5	42	42.5	43	44	46
Centimeters	22,5	23,0	23,5	24,0	24,0	25,0	25,0	26,0	26,0	26,5	27,0	27,5	28,0	29,0	30,0

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SLIP TEST RATING ASTM F2913-11 WHOLE SHOE SLIP TEST

To ensure we design and construct the best possible footwear for maximum performance on the job, Timberland PRO has used an international whole shoe slip test method to determine slip resistance. Testing is conducted at a third party, independent SATRA certified test lab. This method was recently adopted by the American Society for Testing and Materials (ASTM) in F2913-11.

Slip resistance testing is used to determine the “Coefficient of Friction” or CoF. CoF is the ratio of two forces acting at the interface of two contacting solid bodies. There are two types of CoF: Static Coefficient of Friction is related to the force to begin movement of the surfaces relative to each other; while Dynamic (Kinetic) Coefficient of Friction measurement is obtained during movement between two contacting solid bodies.

ASTM-F2913-11 tests the whole shoe sole at heel strike and toe off, two areas where slip is most likely to occur in normal walking (figure 1). The test method is based on years of human subject bio-mechanical studies creating a “Controlled Slide” where “Slip” is initiated and measured to determine if there is enough friction to allow the “Slip to Continue” or “Arrest It”.

SLIP TEST CONDITION GRAPH ASTM F2913-11

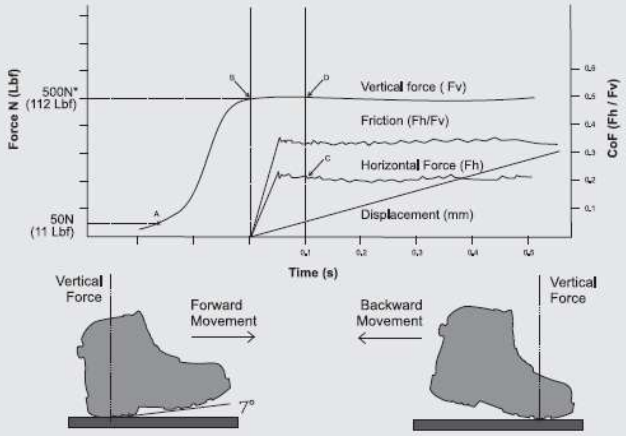


FIGURE 1

Based on bio-mechanical studies by SATRA Technology Centre, Timberland recommends selecting a shoe based on the contaminant and floor surface you will encounter that achieves at least a 0.3 Dynamic CoF using a Whole Shoe Test Method.

Dynamic CoF values below 0.30 increase the risk of slip potential and may require additional safety measures to address non-footwear hazard factors.

No shoe is “slip proof”. Footwear is one small part of any Slip Hazard Assessment Defense Program.

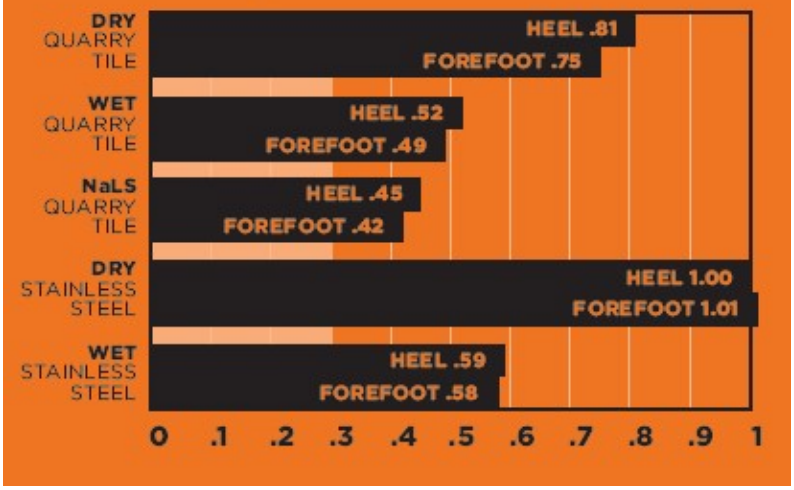
You should always consult with your Company Safety Manager to determine the most appropriate footwear for your work environment.

SATRA TECHNOLOGY

EXCERPT FROM ASTM F2913-11 WHOLE SHOE SLIP RESULTS

TEST REPORT: CHT0250177 **OUTSOLE:** PRO434 **TEST LAB:** 12A10

The below chart provides the slip scores for the outsole of the shoe.



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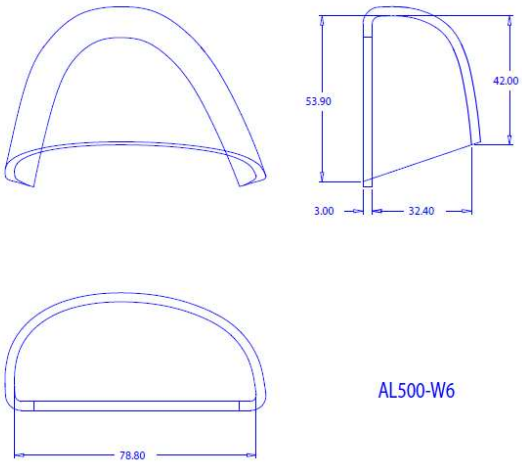
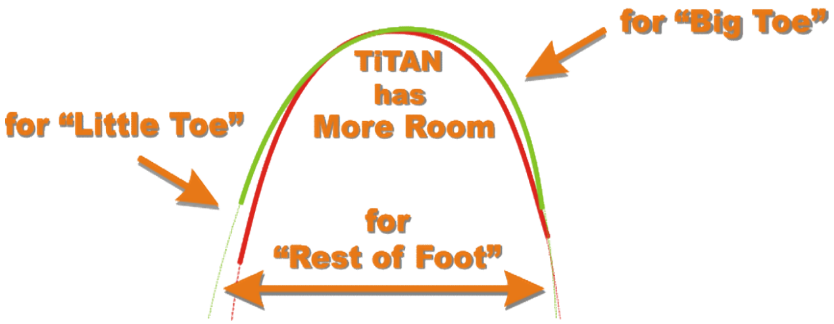
ALLOY TOE: PRO AL 500



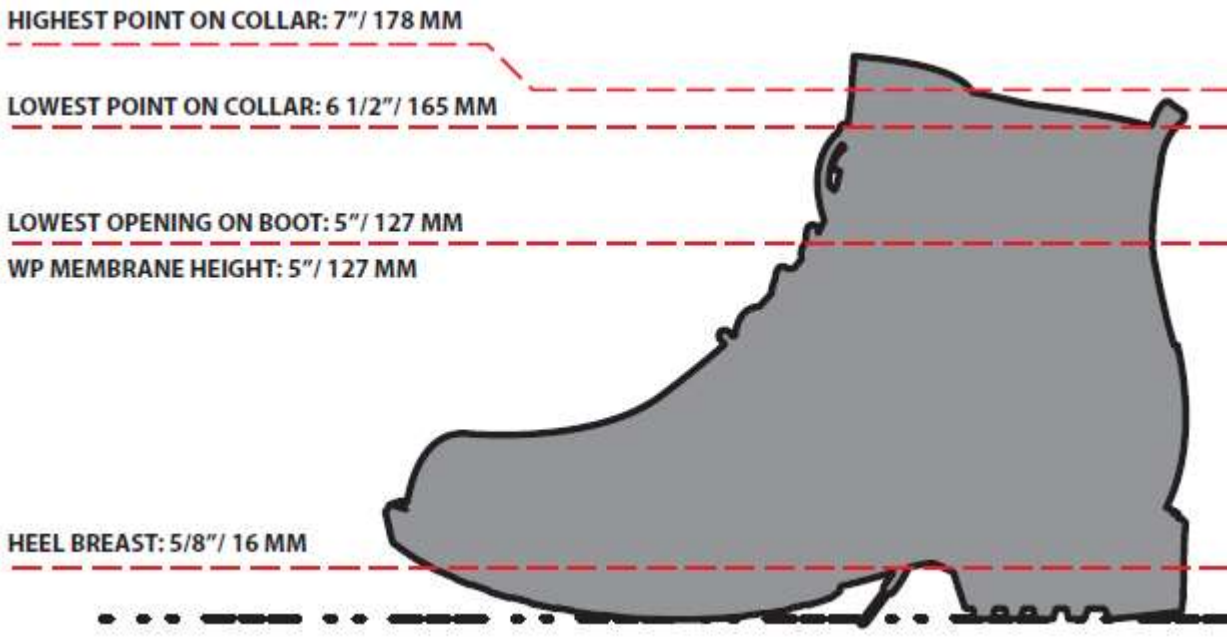


TITAN TOE SHAPE:

Asymmetrical toe shape offers more space in the toe box, where you need it most compared to traditional symmetrical safety toe shapes.

MEASUREMENTS:

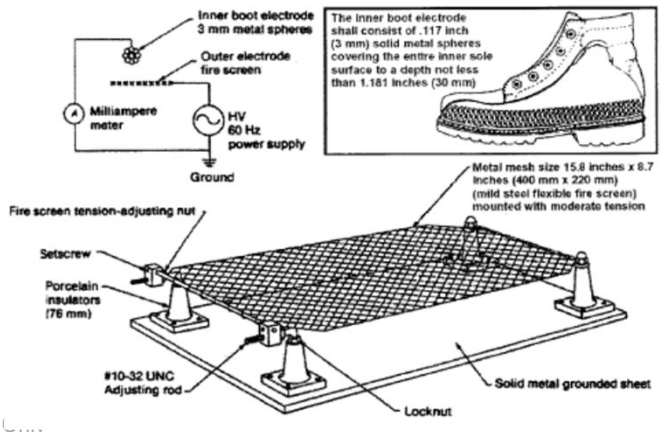
(All measurements are external)



ELECTRICAL HAZARD (EH):

ASTM F2412/F2413-11 and F2892-11 (Soft Toe):

- Secondary Protection against accidental contact of stepping on an electrical circuit
- 18,000 Volts applied for 1 minute
- Less than 1mA leakage
- Footwear is tested randomly during production runs



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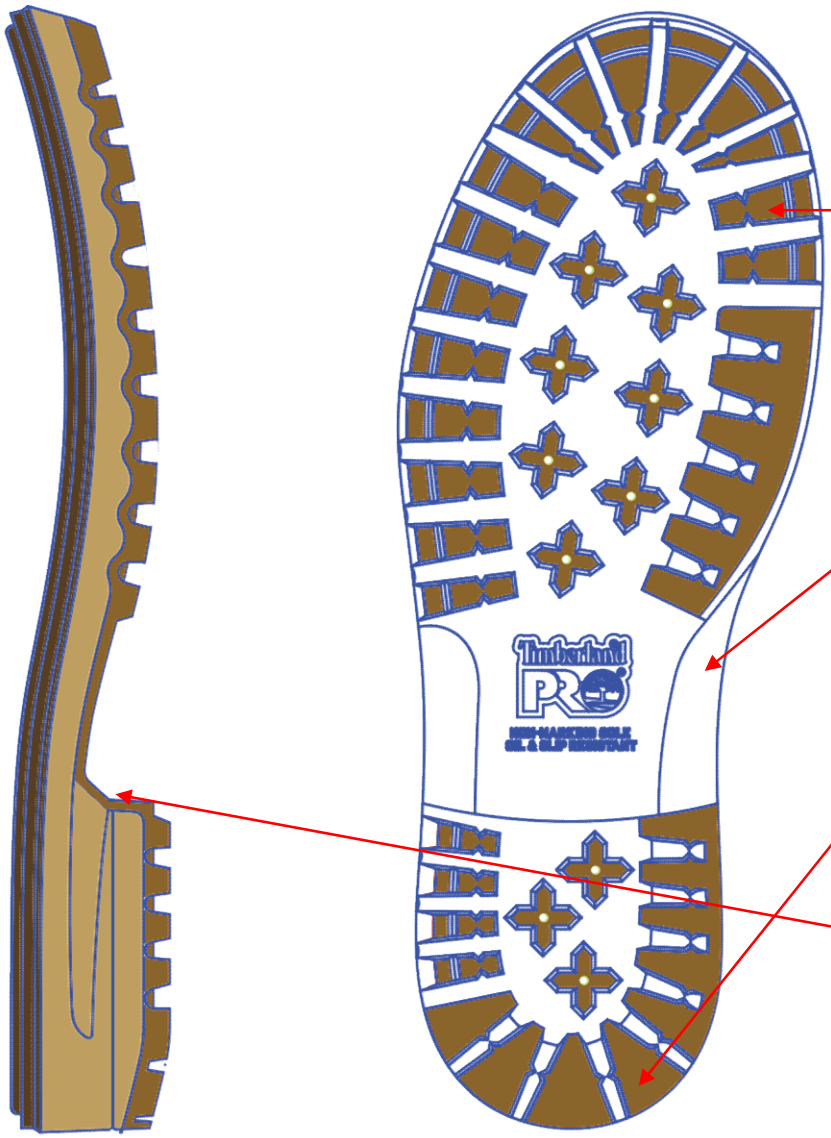
OUTSOLE: (PRO 434) TPU OUTSOLE WITH POLYURETHANE MIDSOLE



LATERAL VIEW

BOTTOM VIEW

- **All Weather TPU is specially formulated to maintain flexibility in variable weather conditions, provides enhanced traction on wet and slipper surfaces.**
- **Lightweight PU provides enhanced cushioning that resists compression overtime.**
- **Classic star lug outsole provides excellent slip resistance on a variety of surfaces.**
- **Enhanced surface contact in heel for slip resistance**
- **5/8th In breasted heel**

OIL RESISTANCE:

Test method	Sample	IRM903 for 46 hrs (ASTM Oil #3)	EN345 for 22 hrs (ASTM Fuel A)	Fuel B for 46 hrs (Jet Fuel)	Diesel for 22 hrs
SATRA TM63	PRO FB#1	+2.3%	+3.4%	+29.6%	+22.8%
	PU	+2.2%	+0.4	+13.5%	+1.0%
	TPU	+1.0%	+0.4	+13.1%	+5.6%
	Standard	</=12%	</=12%	</=60%	No Standard limits, but low values represent best performance.