



**FRSA**  
Fire Rescue Safety Australia

**FLAME PRO**

# PRODUCT DATA SHEET

## FLAMEPRO 640/645 CHALLENGER SUIT

### DESCRIPTION

Challenger isn't just the latest version of an existing product, it's setting a completely new benchmark. Using all-new designs from our specialist in-house team, and the latest in fabrics, membranes and components (including some specifically designed for these garments), making this the best structural suit on the market.

### Styles

- 640 Structural Firefighting Jacket
- 645 Structural Firefighting Trousers

### EN Standards

- AS 4967:2019  
Protective clothing for firefighters

### Intended Use

- Firefighting operations and associated activities such as rescue work, assistance during disasters

### Size Range

- Chest/Waist: XS-4XL
- Fit: Male & female fits available

### Choice of Fabric Systems

- Nomex® Truecolour® Colour: Gold | Red | Navy
- PBI PRO Colour: Gold
- PBI MAX Colour: Gold

Appropriate for: Structural Firefighting

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# FLAMEPRO 640 CHALLENGER JACKET

## FEATURES AND BENEFITS

- Collar hanging loop
- High shaped mandarin collar for better comfort and protection
- Two microphone loops at upper chest
- Optional Velcro® loop for ID marking at right upper chest area
- Abrasion resistant, breathable shoulder reinforcement with internal FR 3D spacer shoulder
- Abrasion resistant and breathable elbow reinforcement for added comfort and safety, extended reinforcement at the back for additional protection
- Two large hip inner pockets to fit note pads, made from lightweight pocketing
- Adjustable torch strap at right chest area, grab tab for easier opening when wearing gloves
- Bellow radio pocket, adjustable for different radio heights, flap can accommodate radio antennas at both sides, grab tab for easier opening when wearing gloves
- Napoleon pocket on left side as worn with whistle loop on the inside
- Pen pocket underneath the storm guard
- Glow in the dark strips, phosphorescent tape
- Thumb loop to stop sleeving riding up when arms are extended
- Extended hem at the back to ensure full coverage of the lumbar region when bending
- Grab tab at the storm guard for easier opening when gloves are worn, additionally storm guard attached using spot Velcro® closure
- Reinforcement fabric at cuff hem and jacket hem for better abrasion resistance
- Industrial wash, flame retardant sew-on perforated reflective tape, attached with twin needle stitching for added strength,
- 50mm and 75mm used
- Twin needle structural seams for added strength
- Main zip attached to zip carrier for easier repair
- Strategic panelling that's ergonomically shaped for wearer comfort and ease of movement
- Inner stud fastening for easier inspection and repair of the outer shell
- Inner zip for moisture barrier inspection
- Anti-wicking panels on the cuff and body hem



# FLAMEPRO 645 CHALLENGER TROUSER

## FEATURES AND BENEFITS

- Removable braces with quick adjustment, braces feature 3D breathable padding for additional comfort
- Front waist adjustment for better fit
- Two large bellow combat style pockets, featuring glove hanging loops, secured with reinforced edge flaps, including carabine snap hooks
- Ergonomically shaped abrasion resistant knee reinforcement panels with Kevlar padding for additional puncture protection. Internal removable knee pads to ensure wearers comfort
- Elasticated waist band at the back - breathable 3D spacer pad in the back waist offers additional protection and comfort to the lower back lumber region.
- Reinforced leg hem for abrasion resistance
- Reinforced inner leg sections for abrasion resistance - reinforced inside leg seam at the ankle
- Centralised fly zip with inner zip guard - fly zip is covered with a storm guard
- Industrial wash, flame retardant sew-on perforated reflective tape, attached with twin needle stitching for added strength, 50mm and 75mm used
- Twin needle structural seams for added strength
- Easier zip repair
- Ergonomically shaped knee panels
- All closures are easily operated whilst wearing gloves
- Glow in the dark strips, phosphorescent tape

