HEAD PROTECTION SALES TRAINING
AUTHORIZED BULLARD DISTRIBUTORS

Adaptix™ SAFETY HELMET AND THE SCIENCE OF COMFORT

This document summarizes key insights about what makes a helmet comfortable, focusing on the design and science behind the Bullard Adaptix Safety Helmet.

AT A GLANCE

- Introduce the basics of science-driven comfort.
- Try it on! The comfort benefits of the Adaptix Safety Helmet can be felt instantly; point them out.
- Comfort isn't about standing still; it's about feeling stable, balanced, and cool when working hard.

Talking Points

- Weight is an easy and common element to talk about when considering helmet comfort. *In fact, Bullard Adaptix is one of the lightest safety helmets on the market.* But weight is only **one part** of what makes a helmet comfortable.
- Balance is critical. It can make a helmet feel lighter and move better with the wearer.
- Choose a helmet with a suspension and crown support system that distributes weight evenly across the head. Breathable, form-fitting materials can help equalize pressure distribution.
- Dynamic comfort – comfort when you move, bend, turn – is just as important as static weight. Helmets with a good balance often feel more stable and secure.

Main Themes

WHAT MAKES A SAFETY HELMET COMFORTABLE?

- **Pressure distribution** is all about *where* the wearer feels the weight of the helmet. Suspensions and helmet design can create points of increased pressure on the crown and sides of the head. This type of pressure can be measured by kilopascals (kPa). Bullard tracks this important measurement when designing helmets.
- **Balance** is how the weight of the helmet is distributed across the head. A well-balanced helmet can feel lighter and more comfortable than a helmet of the same weight that's top-heavy. A poorly balanced helmet can shift during movement, forcing the wearer to over compensate with neck muscles.
- **Fit and Flex** determines how a helmet suspension and shell accommodates your head size and head shape. Does the suspension expand to fit large heads or thicker hairstyles? Does the headband and ratchet flex to conform to the wearer's head shape? Is it snug on the nape without squeezing?
- **Ventilation** can come from breathable materials that allow heat to rise off the head. Extra space inside helmet and ventilation points in the shell can also create air flow that helps release heat.

HEAD PROTECTION SALES TRAINING
AUTHORIZED BULLARD DISTRIBUTORS

THE SCIENCE OF COMFORT

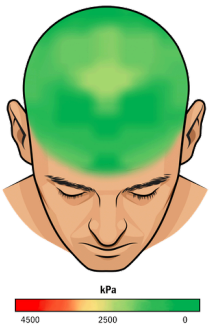
Bullard Adatpix Safety Helmet is built to fit, engineered for breathability, and ready to protect. This low-profile safety helmet provides top and side impact protection with breathable comfort, replaceable parts, and FlexBrim™ versatility.

Main Themes, continued

HOW SCIENCE DRIVES COMFORT IN BULLARD ADAPTIX

Pressure Distribution. Pressure profile maps can show the amount and location of pressure experienced by a wearer's head inside the helmet. Areas shown in red indicate higher pressure and potential discomfort. Green areas show low pressure. The weight of Adaptix is diffused by the mesh crown support to *reduce any concentrated points of high pressure*.

Bullard considers pressure distribution a key factor when designing helmets, focusing on the design elements that contribute to comfort, especially during long-term wear.



Pressure Point Diffusion

Wide mesh crown support helps evenly distribute helmet weight to reduce pressure points.

Balance. The adjustability of the mesh crown support inside the helmet allows the wearer to *easily adjust the helmet's center of gravity*. This feature plus the low-profile shell design creates a stable and low center of gravity, so the Adaptix Helmet moves with the wearer, reducing shifting and sliding.

Low, Adjustable Center of Gravity

Adjust crown support straps for customized stability and balance.

Flex and Fit. With a spacious and flexible fit, Adaptix fits head sizes 6 ¼ - 8 (50 cm - 64 cm) and various hairstyles. A self-adjusting nape support *automatically conforms to head shape* and movement.

Maximum Sizes + Fit

Locked-in stay-put fit for maximum sizes without constant adjustments.

Ventilation. Increasing airflow and *reducing heat build-up* are the primary drivers for several key features of Adaptix, including the breathable mesh crown support, spacious shell sizing, and optional ventilated shell design. Adjust the crown support for a built-in air gap between helmet and head, helping to open up more airflow and release heat.

Heat Removal

Feel the cooling effect as heat build-up flows away from the head.