



EYE PROTECTION

Your eyes are your most important tools. And we at WORKSafe are committed to their protection. Our extensive range of eyewear can carry you from the workplace to the street. Dedicated to your eye protection needs, we spare no expenses and efforts to deliver the solid products you deserve.

PRODUCT FEATURES

99.99% protection against dangerous UVA and UVB.

ASIAN FIT DESIGN

We understand the unique needs of workers in the region. That's why our eyewear is specially adapted for Asian Facial Structures. This ensures a secure fit every time you put them on, for uncompromised comfort and protection.

SETTING THE STANDARD

American USA Standard

ANSI/ISEA Z87.1-2015
ANSI Z87.1-2010
ANSI Z87.1-2003

Singapore Standard

SS4373:2011

European Standard

EN166:2001



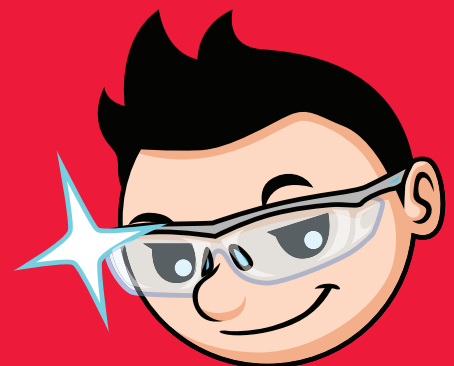
Hard Coat (HC)

These lenses are especially resistant to scratches and are more durable



Anti-Fog (AF)

These lenses are rated to resist misting for clear vision in spite of temperature changes



WE PROVIDE A COMPLETE SERVICE

We value your time, and believe that your eyewear hunt should be as hassle-free as possible. Enjoy a seamless and customised experience when you choose WORKSafe eyewear.



One Stop Solution

These opticians also man our fully equipped laboratory. Here, we can complete the whole process, from fabrication to delivery.



Mobility

Our in-house licensed opticians are happy to come to you, providing on-site sight tests.



Convenience

We have an expansive network of authorised optical retail outlets across Singapore. Order and collect with ease! Save time and unnecessary fees.



IN-HOUSE OPTICAL SERVICE

PDS Safety Prescription (SRX) Eyewear Services

The concept of PDS Safety Prescription (SRX) Eyewear Services is based on a system of convenience, whereby we provide a complete service comprising refraction, edging, fitting and dispensing of SRX eyewear. Our in-house licensed opticians are certified by the Optometrists & Opticians Board (OOB) and Ministry of Health (MOH) Singapore.

MOBILE OPTICAL SERVICES

Our opticians are happy to travel to your workplace to conduct the necessary optical tests. We provide a professional-grade eye screening at your convenience. Enquire today!



** Our Safety Prescription Lab: Our frames and lenses are tested twice. First at third-party testing labs, then once more in-house.*

SAFETY GLASSES (PLANO)



SAFETY APPAREL

EYEWEAR

SAFETY GLASSES (PLANO)

SAFETY GLASSES (PLANO)



WSE3069-C1



WSE3069-C2



WSE3069-INSERT



WSE3069-L01



WSE3069-L02



WSE3069-L03

STRYX E3069

The WORKSafe® Stryx is a plano safety eyewear that blends sporty looks with safety support. Its polycarbonate construction is lightweight yet resistant. Choose from three kinds of swappable lenses to suit your style!

- Dual density injected anti-slip skull-grip temples
- Adjustable bridge width
- Complies with ANSI/ISEA Z87.1-2015 and SS473:2011 standards
- Additional prescription lens inserts available as a top-up

	BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®		WSE3069-C1	Satin Black Frame with Grey tips, Clear lens HC
		WSE3069-C2	Satin Black Frame with Green tips, Clear lens HC
		WSE3069-L01	Indoor/Outdoor Lens with Nose Bridge
		WSE3069-L02	Smoke Grey Lens with Nose Bridge
		WSE3069-L03	Green Revo Lens with Nose Bridge
		WSE3069-INSERT	WORKSafe® Stryx Insert

SAFETY GLASSES (PLANO)



AERO E3058

The WORKSafe® Aero is the lighter stronger and more comfortable successor to our popular A-Wing.

- Lightweight impact-resistant polycarbonate (PC) frame
- Dual density injected anti-slip skull-grip temples
- Integrated universal-fit nose pads
- Complies with ANZI/ISEA Z87.1-2015 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3058-C1	Glossy Black frame, Clear lens HC
	WSE3058-C2	Glossy Black frame, Indoor/Outdoor lens HC

SAFETY GLASSES (PLANO)

GLINDER E3048

The WORKSafe® Glinder features extendable temple length and temple inclination for a better fit.

- Wraparound frame maximises peripheral vision and protection
- Dual density injected anti-slip skull-grip temples
- Soft rubber universal-fit nose pads
- 3-stage extendable temple length with 3-point adjustable inclination
- Vented soft-cushioned browguard and temple increase aeration and minimise fogging
- Complies with ANSI Z87-2020 and SS473:2011 standards



3048-C1



3048-C2



3048-C3

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3048-C1	Black/Red frame, Clear lens AF
	WSE3048-C2	Black/Red frame, Grey lens AF
	WSE3048-C3	Black/Red frame, Indoor/Outdoor lens HC

WIDER E3050

The WORKSafe® Wider. Features a side-way 3-stage extendable self-locking tri-flex frontal frame that provides a better fit for both Asian and Western facial profiles.

- Wraparound frame maximises peripheral vision and protection
- Side-way 3-stage extendable self-locking tri-flex frontal frame
- Dual density injected anti-slip skull-grip temples
- Soft rubber universal-fit nose pads
- Complies with ANSI Z87-2020 and SS473:2011 standards



3050601



3050311



3050320



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3050601	White/Green frame, Clear lens HC/AF
	WSE3050311	Grey/Blue frame, Grey lens HC/AF
	WSE3050320	Grey/Blue frame, Indoor/Outdoor lens HC

SAFETY GLASSES (PLANO)

ALCOR E3029

The WORKSafe® Alcor is designed to provide peripheral vision with a secure wraparound frame. The Alcor boasts an integrated brow guard to keep sweat and dirt away from your eyes.

- Wraparound frame maximises peripheral vision and protection
- Soft rubber universal-fit nose pads
- Complies with ANSI Z87-2020 and SS473:2011 standards



3029000



3029A720



SRRM
CERTIFIED TO ANS/ISEA Z87.1:2020
CERTIFICATION NO.: PC013266
JKKP (DOSH)

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3029000	Clear frame, Grey Translucent Temples, Clear lens HC
	WSE3029A720	Brown translucent frame, Indoor/Outdoor lens HC

RAIDER E3011

The WORKSafe® Raider has opaque integrated side shields to block out glare and maximise protection. Lightweight Nylon frame available for Shiny Black frames.

- Wraparound frame maximises peripheral vision and protection
- Dual density injected anti-slip skull-grip temples
- Soft rubber universal-fit nose pads
- Complies with ANSI/ISEA Z87.1-2010 and SS473:2011 standards



3011A722



3011S201

3011S211

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3011S201	Black frame, Clear lens HC/AF
	WSE3011S211	Black frame, Grey lens HC/AF
	WSE3011A722	Translucent Brown frame, Indoor/Outdoor lens HC

SAFETY GLASSES (PLANO)

ASTRIDER-E E3033

The WORKSafe® Astrider-E is an improved version of the popular Astrider. Featuring integrated cheek and side protectors, Astrider-E provides maximum protection for the user.

- Wraparound frame maximises peripheral vision and protection
- 3-stage extendable self-locking tri-flex temples with 3-point adjustable inclination
- Soft universal-fit nose pads
- Complies with ANSI/ISEA Z87.1-2010 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3033101	Navy Blue frame, Clear lens HC/AF
	WSE3033111	Navy Blue frame, Grey lens HC/AF

SKYVO E197

The WORKSafe® Skyvo's unique curved lens lines your facial contours, giving you complete protection.

- Wraparound frame maximises peripheral vision and protection
- Integrated cheek guard for complete protection
- 3-stage extendable self-locking tri-flex temples with 3-point adjustable inclination
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE197101	Navy Blue frame, Clear lens HC/AF
	WSE197111	Navy Blue frame, Grey lens HC/AF
	WSE197120	Navy Blue frame, Indoor/Outdoor lens HC

SAFETY GLASSES (PLANO)

CHASER E190

The WORKSafe® Chaser features flexible corrugated skull-grip temple tips for a more comfortable and secure fit.

- Lightweight impact-resistant polycarbonate frame
- Wraparound frame maximises peripheral vision and protection
- Soft rubber universal-fit nose pads
- Complies with ANSI Z87-2020 and SS473:2011 standards



19010



19000



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO : PC013268
JKKP (DOSH)

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE19000	Frosted Clear frame, Clear lens HC
	WSE19010	Frosted Grey frame, Grey lens HC

FIREFLY E622

The WORKSafe® Firefly's unique curved lens provides maximum protection along your facial profile.

- Lightweight impact-resistant polycarbonate frame
- Integrated cheek guard for complete protection
- Soft rubber universal-fit nose pads
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



62220



62201



62211

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE62201	Frosted frame, Clear lens AF
	WSE62211	Frosted Grey frame, Grey lens AF
	WSE62220	Frosted frame, Indoor/Outdoor HC

SAFETY GLASSES (PLANO)

MANTIS E122

WORKSafe® Mantis' lightweight wraparound lens maximises both peripheral vision and protection.

- Lightweight impact-resistant polycarbonate frame
- Wraparound frame maximises peripheral vision and protection
- Integrated cheek guard for complete protection
- Integrated universal-fit nose pads
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



12211



12220

12201

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE12200	Frosted frame, Clear lens HC
	WSE12201	Frosted frame, Clear lens AF
	WSE12220	Frosted Grey frame, Indoor/Outdoor lens HC

STRIDER I E261

WORKSafe® Strider I's integrated side shields maximise peripheral vision.

- Wraparound frame maximises peripheral vision and protection
- 4-stage temple extension for perfect fit
- Integrated universal-fit nose pads
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



26100



26110



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE26100	Navy Blue frame, Clear lens HC
	WSE26110	Navy Blue frame, Grey lens HC

SAFETY GLASSES (PLANO)

SABRE E3049

The WORKSafe® Sabre possesses thin rubberized temples, making it light, comfortable and grippy.

- Wraparound frame maximises peripheral vision and protection
- 3-point adjustable temple inclination
- Dual density injected anti-slip skull-grip temples
- Soft rubber universal-fit nose pads
- Complies with EN166:2001 and SS473:2011 standards



3049000



3049020



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3049000	Clear frame, Clear lens HC
	WSE3049020	Clear frame, Indoor/Outdoor lens HC

A-WING E1711

The WORKSafe® A-Wing features durable dual density injected anti-slip skull-grip temples for a more secure and comfortable grip.

- Wraparound frame maximises peripheral vision and protection
- Dual density injected skull-grip temples
- Soft rubber universal-fit nose pads
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



171101



171111



171121



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE171101	Shiny Gunmetal Frame with skull grip, Clear lens HC/AF
	WSE171111	Shiny Gunmetal Frame with skull grip, Grey lens AF
	WSE171121	Shiny Gunmetal Frame with skull grip, Indoor/Outdoor lens HC

SAFETY GLASSES (PLANO)

WAVE

WORKSafe® Wave's lightweight wraparound lens maximises both peripheral vision and protection.

- Wraparound lenses for maximum vision
- Non-slip temple tips
- Secure soft nose pad
- Metal free hinge design feature
- Complies with ANSI Z87.1-2005 and SS473:2011



3074-C2



3074-C1



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO : PC013266
JKKP (DOSH)

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3074-C1	Clear frame, Black temple, Blue tips, Clear lens AF
	WSE3074-C2	Clear frame, Black temple, Blue tips, Indoor/Outdoor HC

SAFETY GLASSES (PLANO)



SAFETY APPAREL

EYEWEAR

SAFETY GLASSES (PLANO)

SAFETY GLASSES (OVERSPECS)

RAZOR E3067

The WORKSafe® Razor eyewear combines sharp looks with great protection. These stylish glasses can be worn over prescription eyewear to provide great protection from impact forces. These extreme overspecs even provide protection against high speed particles at extreme temperature conditions. (between -5°C and 55°C)

- Wraparound frame maximises peripheral vision and protection
- Lightweight impact-resistant polycarbonate frame
- Integrated universal-fit nose pads
- Complies with EN166:2001 and SS473:2011 standards



WSE3067-C2



WSE3067-C3



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO : PC013268
JKKP (DOSH)

For welding

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3067-C2	Matt black frame, Clear lens AF
	WSE3067-C3	Matt black frame, Weld shade 5 Lens AF

AIRSPEX E3032

Bid goodbye to boring overspecs design with the arrival of WORKSafe® Airspex. A fashionable piece with bold, sleekly designed ventilated temples and red rubber temple tips add a tinge of style and excitement to the user. Airspex can be worn over prescription glasses or on its own as safety spectacles or sunglasses.

- Ventilated temples increase aeration and minimise fogging while upping the fashion quotient
- Dual density injected anti-slip skull-grip temples
- Complies with ANSI/ISEA Z87.1:2010 and SS473:2011 standards



3032-C3



3032311



SIRIM
ANSI/ISEA Z87.1:2010
PC011190

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3032311	Graphite frame, Grey lens AF
	WSE3032-C3	Transparent Clear frame with Red Tips, Clear lens HC

SAFETY GLASSES (OVERSPECS)

LESPEX E3030

The WORKSafe® Lespex can be worn over prescription eyewear or simply on its own. It is lightweight at 30g and built for comfortable wear.

- Wraparound frame maximises peripheral vision and protection
- Integrated universal-fit nose pads.
- Complies with ANSI Z87-2020 and SS473:2011 standards



3030A610



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO : PC013268
JKKP (DOSH)



3030000

3030A720

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	300WSE3030000	Frosted clear frame, Clear lens HC
	300WSE3030A610	Graphite translucent frame, Grey lens HC
	300WSE3030A720	Brown translucent frame, Indoor/Outdoor lens HC

DUOSPEX E387

A classic piece - unisex and sophisticated. Can be worn over prescription glasses or on its own as safety spectacles or sunglasses.

- Fits Western and Asian profiles
- Dual density injected anti-slip skull grip temples for snug fit
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



387211



387201



SIRIM
ANSI/ISEA Z87.1:2010
PC011190

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE387201	Matt Black frame, Clear lens AF
	WSE387211	Matt Black frame, Grey lens AF

SAFETY GLASSES (OVERSPECS)

V-SPEX EDK1

WORKSafe® V-Spex can be worn over prescription eyewear or simply on its own.

- Wraparound frame maximises peripheral vision and protection
- Lightweight impact-resistant polycarbonate frame
- Vented side shields increase aeration and minimise fogging
- Integrated universal-fit nose pads
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



EDK1-C3



EDK100



EDK101

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEDK100	Clear frame, Clear lens HC
	WSEDK101	Frosted Grey frame Grey lens HC
	WSEDK1-C3	Dark amber frame, Dark Amber lens AF



WORKGARD EYEWEAR

SAFETY APPAREL

EYEWEAR

SAFETY GLASSES (PLANO)



WORKGard®
SAFETY MADE EASY

SAFETY GLASSES (PLANO)

WORKGARD® FIREWING

Tastefully accented with a splash of colour, these futuristic frames offer no-nonsense protection at your workplace. Comfortable and light, you can wear these for hours on end!

- Clear and light translucent frame
- Durable hard coated lenses
- Integrated TPR nosepad
- Tested to ANZI/ISEA Z87.1-2015 and SS473:2011 standards



3064-C1

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WGE3064-C1	Translucent clear frame, Clear lens HC



SAFETY GLASSES (PLANO)

WORKGARD® E3068

This essential pair of polycarbonate eyewear offers great value, durability and defense in a low-profile form factor.

- Clear and light translucent frame
- Durable anti-fog lenses
- Complies with ANZI/ISEA Z87.1-2020 and SS473:2011 standards



E3068-C1



E3068-C2

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WGE3068-C1	Translucent clear temple, Black tip, Clear lens AF
	WGE3068-C2	Translucent grey temple, black tip, Grey AF Lens

WORKGARD® E3037

The WORKGard® E3037 safety glasses is a wraparound nylon frame with integrated side shields to maximise peripheral vision and protection.

- 3-stage extendable temple length for perfect fit
- Integrated universal-fit nose pads
- Complies with ANSI/ISEA Z87.1-2010 and SS473:2011 standards



3037S200

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WGE3037S200	Black frame, Clear lens HC

SAFETY GLASSES (PLANO)

BOLLE RUSH+

This advanced eye protection was specifically designed for healthcare professionals; its design combines ultimate protection and comfort to help reduce workplace accidents and slow the spread of viruses. Equipped with an anti-scratch and anti-fog coating on both sides of the lenses, RUSH+ ensures long-lasting comfort, performance and reliability.

- Co-injected, ultra-flex temples
- Non-slip adjustable bridge
- Washable and reusable
- PLATINUM coating: anti-scratch & anti-fog
- Standards: EN166 - EN170



BRAND	PRODUCT CODE	DESCRIPTION
BOLLE	BOLPSSRUSP085	Clear PC Lens Platinum Coating White Blue Frame

BOLLE BAXTER

BAXTER offers total comfort thanks to its wrap-around frame. With its waterproof foam and ingenious system for attaching the strap, BAXTER offers effective protection against sprays of solids, liquids, and against dust.

- Increased protection
- Wrap-around frame
- Waterproof foam and removeable strap
- PLATINUM coating
- Standards: AS/NZS 1337.1:2010



BRAND	PRODUCT CODE	DESCRIPTION
BOLLE	BOLBAXTERRX	RX (SZ-SPECTACLE VERSION: 63/18)

BOLLE TRACKER 2

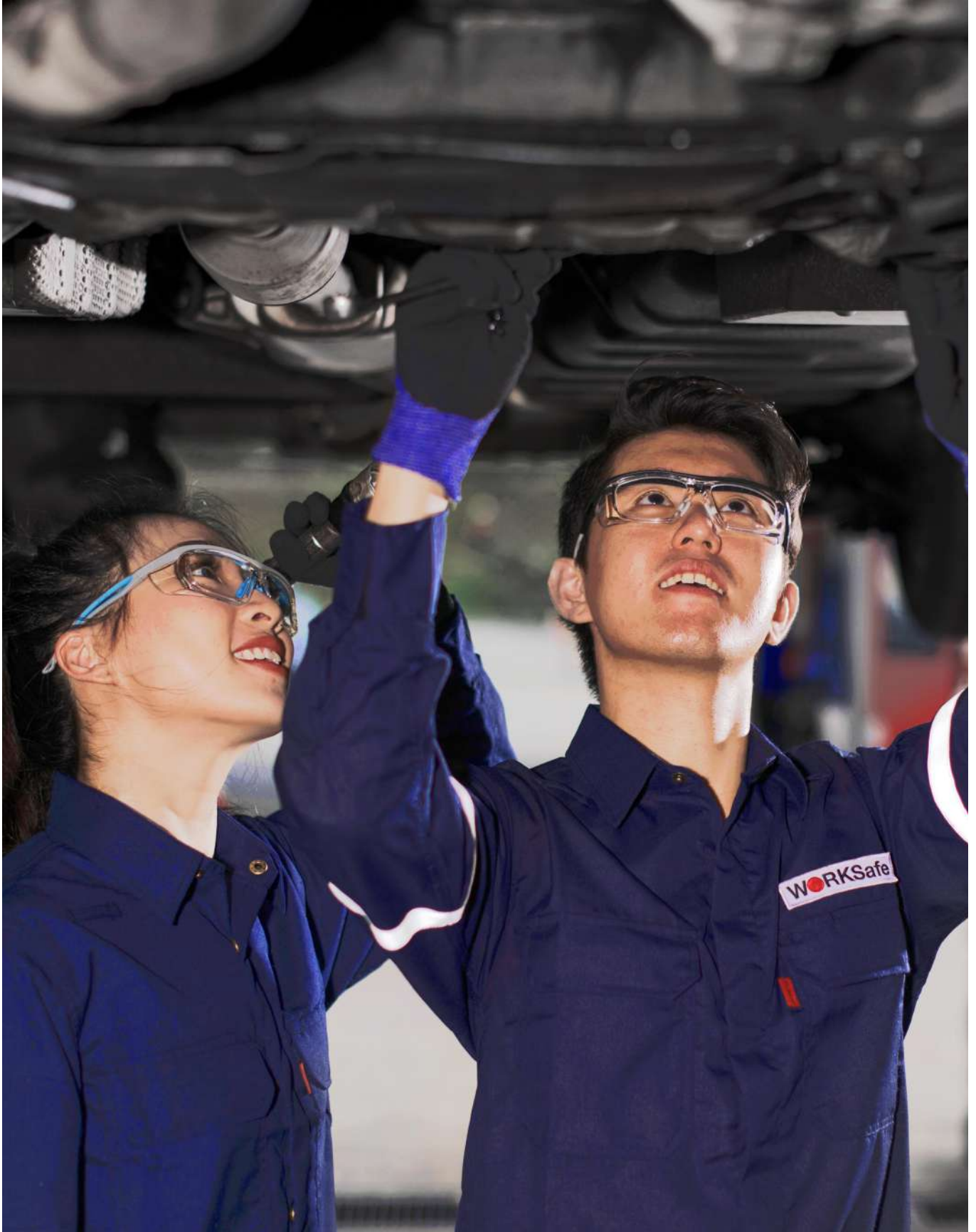
Ultra-comfortable and technical, Tracker provides protection from all mechanical risks and chemical risks, making it unique in the safety glasses range.

- Vented frame
- High impact resistance (Type B: 120m/s)
- Upper protection
- PLATINUM coating: anti-scratch & anti-fog
- Standards: EN166 - EN170



BRAND	PRODUCT CODE	DESCRIPTION
BOLLE	BOL1652001A	Black frame, Clear lens

PRESCRIPTION SAFETY GLASSES



SAFETY APPAREL

EYEWEAR

PRESCRIPTION SAFETY GLASSES

PRESCRIPTION SAFETY GLASSES

OTUS E3065

The WORKSafe® Otus takes its name from a small, agile owl. In the same way, expect this polycarbonate eyewear to be light and easy to wear, while providing good protection from impact!

- Lightweight hypo-allergenic full nylon frame
- Anti-slip skull-grip temples
- Impact-resistant polycarbonate side shields
- Complies with ANZI/ISEA Z87.1-2015 and SS473:2011 standards



3065-C1



3065-C2

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3065-C1	Translucent Teal Blue frame, Pale Violet Red temple, Dark Grey temple tip, Clear lens HC
	WSE3065-C2	Translucent Light Grey frame, Light Grey Temple, Cool Grey temple tip, Clear lens HC

VECTOR E3062

VECTOR glasses provide serious protection for serious work. Durable and rugged without sacrificing comfort, these reliable frames offer your eyes the defences they deserve.

- 3-point temple adjustments allow greater face & cheek coverage
- Lightweight and durable TR90 frame.
- Impact-resistant polycarbonate side shields with ventilation.
- Integrated nose pads.
- Tested to ANSI Z87.1-2015 standard and complies with SS473:2011 standards.



3062-C1

3062-C-3



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3062-C1	Matt Black frame, Clear lens HC
	WSE3062-C-3	Frosted Clear frame, Red Tips, Clear lens HC

PRESCRIPTION SAFETY GLASSES

RETRO E3059

With detachable eye shields that affix onto a sleek frame, these timeless and classy glasses are right at home at the workplace and on the streets.

- Fold the temples and lift and slide side shields outwards to detach them
- Impact-resistant polycarbonate side shields
- Slender and slim frame fits in most pockets of shirts and pants
- Durable stainless steel frame with lightweight temples
- Comfortable silicon nose pads
- Grippy thermoplastic rubber (TPR) temple tips
- Tested to ANSI Z87.1-2015 standard and complies with SS473:2011 standards



3059-C1



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3059-C1	Matt Black frame, Clear lens HC Size: 58



PRESCRIPTION SAFETY GLASSES

STEDA II E3055

Stronger, more durable and extra comfortable. The enhanced design of WORKSafe® Steda II - successor of our popular Steda, is now better with metal-free design.

- Dual density injected anti-slip skull-grip temples
- Impact-resistant integrated TR90 side shields
- Comfortable ABS/thermoplastic rubber (TPR) browguard
- 3-point adjustable temple inclination for better fit
- Integrated universal-fit nose pads
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



3055-C2



3055-C4



3055-C5



3055-C6

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3055-C2	Matt Black frame, Clear lens HC
	WSE3055-C4	Carbon Fibre Pattern frame, Clear lens HC
	WSE3055-C5	Zebra Pattern frame, Clear lens HC
	WSE3055-C6	Matt Black frame, Red Tips Clear lens HC

STEED R E3052

Steed R, the superior successor of our most well-received model, is now enhanced with the addition of adjustable temple inclination.

- Lightweight impact-resistant TR90 frame
- Vented TPR browguard
- Dual density injected anti-slip skull-grip TR90 temples
- Impact-resistant integrated TR90 side shields
- 7-point adjustable temple inclination for better fit
- Soft thermoplastic rubber (TPR) universal-fit nose pads
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



3052A4C57



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3052A4C57	Grey, Clear frame, Clear lens HC

PRESCRIPTION SAFETY GLASSES

KUIPER E3045

The Kuiper, pronounced "KAI-PER", is capable of being a prescription protective eye glass, or just a simple piece of plano protective eyewear. Grip and comfort are its key-points. The Kuiper features extra-large super-grippy nose pads and large rubber-tipped temples.

- Lightweight hypo-allergenic full nylon frame
- Anti-slip skull-grip temples
- Impact-resistant integrated side shields
- Soft grippy thermoplastic rubber (TPR) universal-fit nose pads
- Tested to ANSI Z87.1-2010 standard and complies with EN166:2001 and SS473:2011 standards



3045-C1



3045-C2



3045-C3

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3045-C1	Coffee frame, Clear lens HC
	WSE3045-C2	Charcoal frame, Grey lens HC
	WSE3045-C3	Translucent Grey frame, Grey lens HC

STEED E3041

For all-day comfort, the Steed sports a vented frame that helps with fogged lenses and comfy rubber tips on all skin-contact points. The Steed is also able to accommodate extremely high prescriptions and high astigmatism.

- Lightweight impact-resistant TR90 frame
- Vented thermoplastic rubber (TPR) browguard
- Impact-resistant integrated TR90 side shields
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



30411F57

3041-C-4



30413C57

30413F57



SINGAPORE REGISTERED DESIGN: D2013/600/G

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE30411F57	Blue, Frosted frame, Clear lens HC
	WSE3041-C-4	Lime Green Frame With Clear Holder, Clear Lens HC
	WSE30413C57	Grey, Clear frame, Clear lens HC
	WSE30413F57	Grey, Frosted frame, Clear lens HC

PRESCRIPTION SAFETY GLASSES

PLUTO E3014

WORKSafe® Pluto has a lightweight polycarbonate frame with tinted side shields moulded directly onto the frame and temples, preventing glare and increasing protection.

- Lightweight impact-resistant polycarbonate frame
- Formable skull-grip stainless steel temples ensure a better fit
- Impact-resistant polycarbonate side shields
- Integrated universal-fit nose pads
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



3014A654



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3014A654	Grey Translucent frame, Clear lens HC

VESTA E3015

WORKSafe® Vesta combines both the weightlessness of a polycarbonate frame with the comfort of formable stainless steel temples.

- Lightweight impact-resistant polycarbonate frame
- Formable skull-grip stainless steel temples ensure a better fit
- Impact-resistant polycarbonate side shields
- Integrated universal-fit nose pads
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



3015S254



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3015S254	Black frame, Clear lens HC

PRESCRIPTION SAFETY GLASSES

MERCURY G2 E3013

The WORKSafe® Mercury G2, the successor of the best-selling Mercury E1140, is now sleeker and stronger than ever before.

- Corrosion-resistant stainless steel frame
- Formable rubber skull-grip stainless steel temples ensure a better fit
- Impact-resistant polycarbonate side shields
- Fully adjustable soft anti-slip silicone nose pads
- Tested to ANSI Z87.1-2010 standard and complies with SS473:2011 standards



3013A054



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3013A054	Matt Grey frame Size: 54

VENUS E4290

WORKSafe® Venus features strong, super-lightweight, TR90 premier polymer temples suitable for working conditions with vulnerability to corrosion.

- Corrosion-resistant, hypoallergenic stainless steel frame
- Formable temples ensure a better fit
- Impact-resistant polycarbonate side shields
- Fully adjustable soft anti-slip silicone nose pads
- Tested to ANSI Z87.1-2003 standard and complies with SS473:2011 standards

4290B053/
4290B055SINGAPORE REGISTERED
DESIGN: D2011/735/J4290SGS53/
4290SGS55

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE4290SGS53	Gunmetal/Green frame, Size: 53
	WSE4290SGS55	Gunmetal/Green frame, Size: 55
	WSE4290B053	Metallic Blue/Blue frame, Size: 53
	WSE4290B055	Metallic Blue/Blue frame, Size: 55

PRESCRIPTION SAFETY GLASSES

AERONAUT ALPHA

WORKSafe® Aeronaut Alpha is a fusion of retro looks with cutting-edge safety smarts.

- Corrosion-resistant stainless steel frame
- Impact-resistant polycarbonate side shields
- Fully adjustable soft anti-slip silicone nose pads
- Large frame size for maximum field of vision
- Complies with ANSI/ISEA Z87.1-2020 and SS473:2011 standards



WSE3071-C2



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO.: PC013268
JKKP (DOSH)



WSE3071-C1

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3071-C1	SATIN BLACK FRAME, SZ61, HC lens
WORKSafe®	WSE3071-C2	BRONZE FRAME, SZ61, HC lens

AERONAUT OMEGA

WORKSafe® Aeronaut Omega is a fusion of retro looks with cutting-edge safety smarts.

- Corrosion-resistant stainless steel frame
- Impact-resistant polycarbonate side shields
- Fully adjustable soft anti-slip silicone nose pads
- Large frame size for maximum field of vision
- Complies with ANSI/ISEA Z87.1-2020 and SS473:2011 standards



WSE3072-C2



SIRIM
CERTIFIED TO ANSI/ISEA Z87.1:2020
CERTIFICATION NO.: PC013268
JKKP (DOSH)



WSE3072-C1

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3072-C1	SATIN BLACK FRAME, SZ61, HC lens
WORKSafe®	WSE3072-C2	ROSE GOLD FRAME, SZ61, HC lens

SAFETY GOGGLES



STINGER E3031

WORKSafe® Stinger - an acetate anti-fog lens goggle that offers good protection. Its chemical-resistant lens is paired with a soft rubber nose that accommodates most Western and Asian facial profiles.

- Cellulose acetate anti-fog lens by Jepsen-Mazzucchelli, Italy
- 180° panoramic lens
- Integrated air ventilation system and cheek protector
- Can be worn over prescription eyewear
- Suitable for use with half-masks and filtering face masks
- Complies with ANSI/ISEA Z87.1-2015, EN166:2001 F and SS473:2011 standards



3031-C2



SINGAPORE REGISTERED
DESIGN: D2013/439/B

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3031-C2	Translucent clear frame, Clear AF lens with Black WORKSafe® woven headband

*Passed splash test with D3 marking.

SAFETY GOGGLES

VANTAGE E3073

WORKSafe® Vantage safety goggles is designed for comfort. The upper and lower parts of the body are frosted to protect against light reflection and glare.

- Designed to be worn over prescription eyewear
- Flexible body adapts to face for snug fit
- Fully adjustable headband
- Integrated ventilation system and cheek protector
- Compatible with half-face masks and filtered face masks



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE3073-C1	Black frame, Clear lens AF, WORKSafe® headband

ASTRONIX E302

The WORKSafe® Astronix provides unfettered side visibility with 180°-panoramic lens. Scratch-resistant and affordable, they can even be worn over prescription eyewear.

- Flexible body and anatomical nose cushioning adapts to face for snug fit
- Fits over most prescription eyewear
- Fully adjustable headband
- Integrated ventilation system and cheek protector
- Suitable for use with half-masks and filtering face masks
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE302101	Grey frame, Clear lens AF, Dark Grey WORKSafe® headband

SAFETY GOGGLES

BIONIX E303

WORKSafe® Bionix is a wraparound panavision goggles with integrated ventilation system, dual density rubber body and soft rubber nose cushioning to provide total eye protection in optimal comfort, even in extreme situations.

- Can be worn over prescription eyewear
- Fully adjustable headband
- Integrated cheek protector
- Suitable for use with half-masks and filtering face masks
- Complies with ANSI Z87.1-2003 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE303501	Orange frame, Clear lens AF, Dark Grey WORKSafe® headband

STRIKE E301

WORKSafe® Strike safety goggles is designed for comfort. The upper and lower parts of the body are frosted to protect against light reflection and glare.

- Flexible body adapts to face for snug fit
- Fully adjustable headband
- Integrated ventilation system and cheek protector
- Suitable for use with half-masks and filtering face masks
- Complies with ANSI Z87:2015 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSE301101	Frosted Clear frame, Clear lens AF, Light Grey WORKSafe® headband

*Passed splash test with D3 marking.

WORKGARD® SAFETY GOGGLES

BASIC E3066

This WORKGard® Basic goggle combines an anti-fog polycarbonate lens with a clear PVC frame. It's the crystal-clear choice for general-use eye protection!

- Clear and light translucent frame
- Anti-fog (AF) coated lenses
- Tested to EN166 and SS473:2011 standards



BRAND	PRODUCT CODE	DESCRIPTION
WORKGard®	WGE3066-C1	Clear frame, Clear lens HC/AF

WORKGARD® E3070

The WORKGard® E3070 provides unfettered side visibility with 180°-panoramic lens. Scratch resistant and affordable, they are great plano safety goggles for workers who do not wear prescription glasses.

- Flexible body and anatomical nose cushioning adapts to face for snug fit
- Fully adjustable headband
- Integrated ventilation system and cheek protector
- Suitable for use with half-masks and filtering face masks



BRAND	PRODUCT CODE	DESCRIPTION
WORKGard®	WGE3070-C1	Black Frame, Clear AF Lens with Black Non-Woven Strap

SAFETY GOGGLES

BOLLE SAFETY GOGGLES COVERALL

COVERALL AUTOCLAVE protective goggles is specially designed to guarantee total comfort and optimum protection in controlled environments

- High fogging resistance
- Autoclave compatible product
- Overflow chute for liquids
- PLATINUM coating: anti-scratch & anti-fog
- Stabdard: EN166 - EN170 - UKCA



BRAND	PRODUCT CODE	DESCRIPTION
BOLLE	BOLCOVACLAVE	Translucent TPR vented frame, Platinum AS/AF clear lens, Neoprene strap

CONCEPT BLACK WELDING SHADE 5 LENS

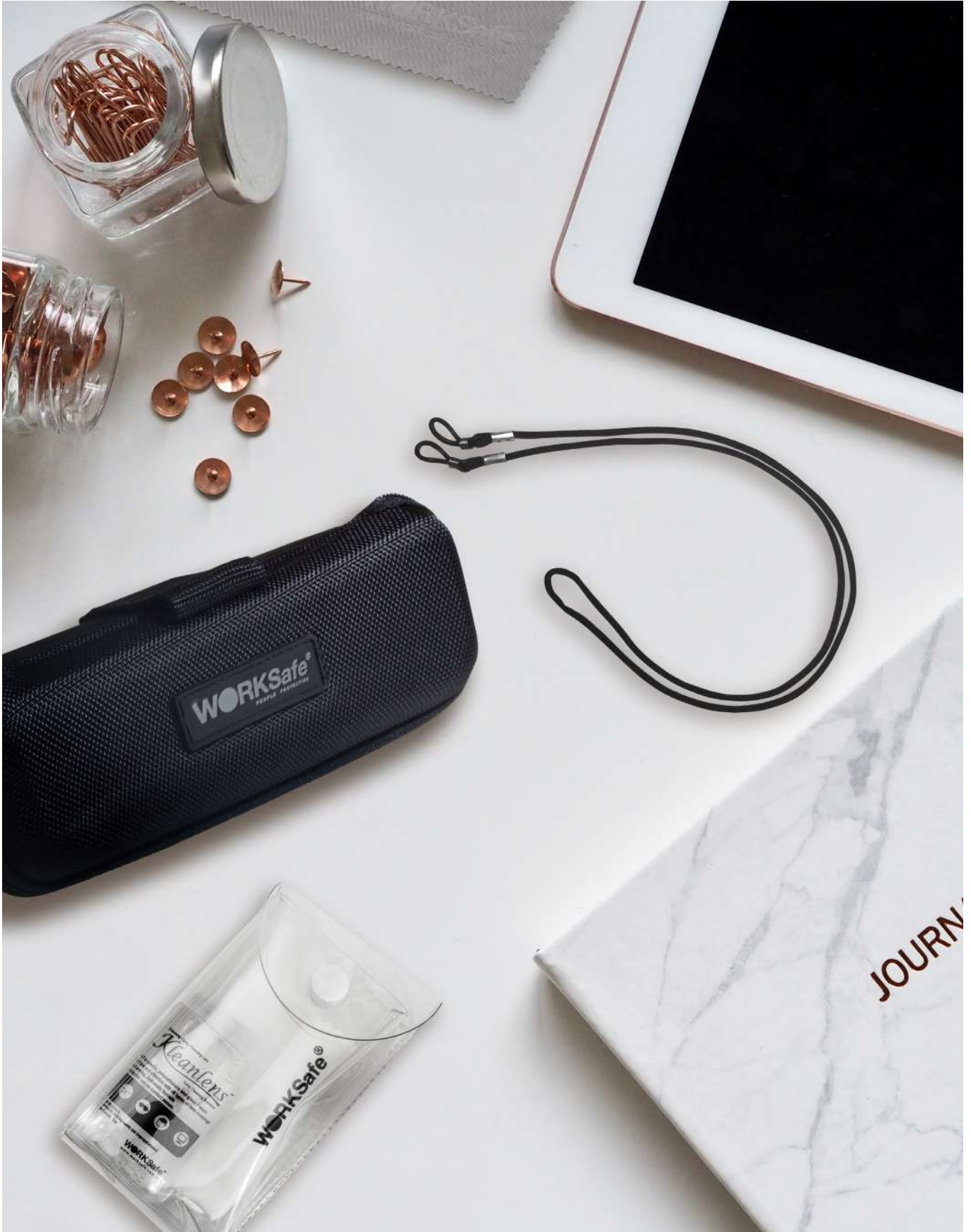
Multi adjustable, face hugging frame with integrated brow and cheek guards for superior comfort and protection

- Poly-carbonate frame and lenses with infrared absorbing dyes
- Total eye protection for gas welders and assistants
- Anti-Fog and Anti-Scratch coating is applied on both sides of the lens
- Approved AS/NZS 1337.1.2010 for Medium Impact Protection



BRAND	PRODUCT CODE	DESCRIPTION
BOLLE	BOL1658213A	Black Frame, Shade 5 lens

CLEANING SOLUTION



CLEANING SOLUTION

KLEANLENS® FIXED LENS CLEANING STATION KL461

- For use on plastic, polycarbonate and glass lenses
- Ideal for spectacles, goggles, faceshields and computer screens
- Safe and effective with all types of lens coatings
- Content: 1 bottle of Kleanlens® 500ml lens cleaning solution – biodegradable and non-toxic; 4 boxes of Kleanlens® tissue – non-abrasive and low lint tissue



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL461	Kleanlens fixed lens cleaning station c/w 500ml fluid and 4 boxes tissues

KLEANLENS® LENS DISPOSABLE STATION KL467

- For use on plastic, polycarbonate and glass lenses
- Ideal for spectacles, goggles, faceshields and computer screens
- Safe and effective with all types of lens coatings
- Content: 1 bottle of Kleanlens® 250ml lens cleaning solution – biodegradable and non-toxic; 2 boxes of Kleanlens® tissue – non-abrasive and low lint tissue



**New packaging will be change when the stock ends.*

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL467	Kleanlens lens disposable station c/w 250ml fluid and 2 boxes tissues

KLEANLENS® KLEANLENS CLEANING SOLUTION KL463 (500ML)

Protect your lenses and keep them clear with Kleanlens! This lens cleaning solution can be used on optical devices like eyewear, face shield, mobile phones and computer screens. Simply wipe your lenses with this solution to keep them in tip-top condition!

- Keeps your eyewear clean
- Suitable for plastic, polycarbonate and glass lenses

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL463	Kleanlens cleaning solution, 500ml
	WSEKL466	Kleanlens cleaning fluid, 250ml



CLEANING SOLUTION

KLEANLENS® KLEANLENS CLEANING TISSUES KL462

Protect your lenses and keep them clear with Kleanlens Lens Cleaning Tissues. This lens cleaning wipes can be used on optical devices like eyewear, face shield, mobile phones and computer screens. Use these wipes by themselves or with a cleaning solution to keep your lenses in tip-top condition!

- Keeps your eyewear clean
- Non-abrasive and lint-free
- Suitable for plastic, polycarbonate and glass lenses



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL462	Kleanlens cleaning tissues, 300 pcs/box

KLEANLENS® KLEANLENS ANTI-FOG WET WIPES KL480

Keep your eyewear clean with our Kleanlens Anti-Fog Wet Wipes. Made of non-abrasive lint-free material, these wipes effectively cleans eyewear lenses and other optical devices like mobile phones and computer screens. These pre-moistened wipes are sealed in individual disposable packets, small enough to be stored in a bag, pocket or lens case.

- Non-abrasive and lint-free, suitable for cleaning eyewear lenses, mobile phones and computer screens.
- Small and compact, convenient for use on the go
- Anti-fog agent to keep your eyewear lenses clear



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL480	Kleanlens anti-fog wet wipes, size:12x15cm, 100pcs/box

KLEANLENS® ANTI-FOG SOLUTION KL481

WORKSafe Kleanlens Anti-Fog Solution helps keep your lenses and clear surfaces clean. Contained in a convenient spray bottle for easy application, simply spray and wipe to keep your glasses fog-free!

This lens cleaning solution can be used on optical devices like eyewear, face shield, mobile phones and computer screens.

- Keeps your eyewear clean
- Suitable for plastic, polycarbonate and glass lenses



BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	WSEKL481	Kleanlens anti-fog solution, 100ml






SAFETY EYEWEAR GUIDE



Step 1: Identify Hazards

Protectors should be mandatory where there is a reasonable probability of an eye or face injury that can be reduced or prevented with the use of protectors. A hazard assessment should be conducted to decide the risk of exposure in order to select the appropriate protectors needed. The safety officer or other responsible parties should pay attention to the different types of hazards and identify the sources of the hazards as stated below. After evaluating the information gathered, suitable protectors should be selected and used.

Eye and Face Protection Selection Chart

	 Impact	 Heat	 Chemical	 Dust	 Light/ Radiation
Source	<ul style="list-style-type: none"> Chipping Grinding Machining Masonrywork Woodworking Sawing Drilling Chiselling Powered fastening Sanding 	<ul style="list-style-type: none"> Furnace operation Pouring Casting Hot dipping Gas cutting Welding 	<ul style="list-style-type: none"> Liquids Acid/Chemical handling Degreasing Plating 	<ul style="list-style-type: none"> Woodworking Buffing General dusty conditions 	<ul style="list-style-type: none"> Infrared radiation Ultraviolet radiation (UV) Lasers Welding: electric arc Welding: gas Cutting Torch brazing Torch soldering Visible light (Glare)
Assessment of Hazard	<ul style="list-style-type: none"> Flying fragments: e.g. objects like particles, sand, dirt etc. 	<ul style="list-style-type: none"> Hot sparks Splash from molten metals High temperature exposure 	<ul style="list-style-type: none"> Chemical splash, droplets and sprays Irritating mists 	<ul style="list-style-type: none"> Nuisance dusts Fine dusts 	<ul style="list-style-type: none"> Optical radiation Poor vision
Eye Protection	<ul style="list-style-type: none"> Spectacles with side shields Goggles Faceshields worn over spectacles or goggles Welding helmet/ Loose-fitting respirator worn over spectacles or goggles Full face respirators 	<ul style="list-style-type: none"> Spectacles with side shield Goggles Faceshields worn over goggles Loose-fitting respirator worn over spectacles or goggles Full face respirators 	<ul style="list-style-type: none"> Goggles, eyecups and cover types Faceshields worn over goggles Loose fitting respirator worn over spectacles or goggles Full face respirators 	<ul style="list-style-type: none"> Goggles, eyecaps and cover types Full face respirators 	<ul style="list-style-type: none"> Welding helmets, welding shields or welding respirator (arc) Welding goggles, welding helmets or welding faceshield (gas, cutting, brazing) Spectacles or welding faceshield (soldering) Typical shades -arc: 10-14 -gas welding: 6-8 -cutting: 3-6 -brazing: 3-4 -soldering: 2 Spectacles or faceshield (glare)

Step 2: Selection of Safety Eyewear

2.1 Minimum Requirements

Meets International Safety Standards, e.g. ANSI Z87.1-2015/2010, SS473:2011, EN166:2001, GB, JIS, AAS, AS/NZS 1337.6:2007 and CSA Z94.3-1988

2.2 Optical Quality

Optical Class	Spherical Refractive Power	Astigmatic Refractive Power	Prismatic Refractive Power
1	±0.06 diopters	±0.06 diopters	±0.12 diopters
2	±0.12 diopters	±0.12 diopters	±0.12 diopters

2.3 High Impact Rating

2.3.1 American Standards ANSI/ISEA Z87.1

Type of Eye Protectors	High Mass Impact, Pointed Projectile, Wt.: 500g (17.6oz.) Size: 25mm (1") Ht.: 127 cm (50")	High Velocity Impact Projectile				Markings: Manufacturer's Identification: WORKSafe®: "W"	
		Steel ball 6.35mm (0.25") Wt.: 1.04g (0.037oz.) Velocities: 45.7m/s to 91.4m/s (150 ft/s to 300ft/s)	Velocity	Steel ball 6.00mm (0.24") Wt.: 0.86g (0.030oz.) Velocities: 50.9m/s to 101.5m/s (167 ft/s to 333ft/s)	Velocity	Frames	Lens
Spectacles/ Readers/ Magnifiers Goggles Faceshields	Frame & Lens Frame & Lens Frame/Crown & Lens	Frame & Lens Frame & Lens Frame/Crown & Lens	45.7m/s (150ft/s) 76.2m/s (250ft/s) 91.4m/s (300ft/s)	Frame & Lens Frame & Lens Frame/Crown & Lens	50.9m/s (167ft/s) 84.7m/s (278 ft/s) 101.5m/s (333 ft/s)	W Z87+ W Z87+ W Z87+	W + W Z87+ W Z87+

2.3.2 EN166

Types of Eye Protector	Projectile Speed of Steel Ball		
	Low energy impact 45m/s or 162km/h	Medium energy impact 120m/s or 432km/h	High energy impact 190m/s or 984km/h
Spectacles Goggles Faceshields	Applicable Applicable Applicable	N.A. Applicable Applicable	N.A. N.A. Applicable

2.4 Lens Materials

Generic Materials	Types	Optical Quality	Minimum Mechanical Strength	Chemical Resistance	Weight
Mineral Material	Hardened Glass Laminated Glass	Excellent Excellent	12m/s (3mm) 12m/s (3mm)	Excellent Excellent	Heavy Heavy
Organic/Synthetic	CR-39 Plastic Acetate Polycarbonate	Excellent Excellent Excellent	12m/s (3mm) 45m/s 45m/s	Good Very good Very Good (if coated)	Light Lighter Lightest

Step 3: Understanding Standard Markings

3.1 ANSI/ISEA Z87.1 Marking Requirements

Type of Mark	Lenses & Replacement		Frame	Marking for Complete Device (no replaceable parts)
	Spectacles	All Other		
All protectors shall bear the markings below.				
Manufacturer's Mark or Logo	Yes	Yes	Yes	Yes
Standard(Non-Impact Rated)				
Plano		Z87	Z87	Z87
Rx		Z87	Z87-2	Z87-2
The following shall be required only when claims of impact rating, a specific lens type and/or use are made by the manufacturer.				
Impact Mark				
Impact Rated Plano, Readers/Magnifiers	+	Z87+	Z87+	Z87+
Impact Rated Rx	+	Z87+	Z87-2+	Z87-2+
Lens type				
Clear				
Welding	W shade	W shade		W shade
UV Filter	U scale number	U scale number		U scale number
Visible Light Filter	L scale number	L scale number		L scale number
IR Filter	R scale number	R scale number		R scale number
Variable Tint	V	V		V
Special Purpose	S	S		S
Use				
Splash/Droplet			D3	D3
Dust			D4	D4
Fine Dust			D5	D5

3.2 ANSI/ISEA Z87.1 Marking Sequence

Markings can follow a top to bottom sequence or a left to right sequence.

DISCLAIMER: The information below is provided to demonstrate examples of resulting product markings compliant with ANSI/ISEA Z87.1-2015. Such information is not meant to be all-inclusive and is provided for illustrative purposes only.

Device	Manufacturer's Mark Or Logo	Standard Mark	Impact Mark	Lens Type	Use	Resulting Mark
LENSES						
Goggle or faceshield, non-impact rated (UV)	W	Z87		U3		W Z78U3
General purpose spectacle, non-impact rated (shade 2.0)	W			W2.0		W W2.0
FRAME						
Goggle impact rated, fine dust rated	W	Z87	+		D5	W Z87+D5
Goggle, non-impact rated, dust rated	W	Z87			D4	W Z87D4
Goggle, non-impact rated, splash rated	W	Z87			D3	W Z87D3
Prescription spectacle w/o side protection	W	Z87-2				W Z87-2
Prescription spectacle, impact rated	W	Z87-2	+			W Z87-2+
COMPLETE DEVICE						
Goggle, faceshield (UV & IR)	W	Z87		U6 & R2		W Z87U6R2
Goggle, faceshield, impact rated, splash rated (shade 5)	W	Z87	+	W5	D3	W Z87+W5D3

3.3 EN166

FRAME

W	EN STANDARD	F	XXXCE
Identification of the manufacturer WORKSafe®	EN166	Resistance to high speed particles	Test Laboratory Identification

LENS

3-1,7	W	1	F	K	N
Code no. of UV Filter with good colour recognition- Shade no.	Identification of the manufacturer WORKSafe®	Optical Class	Resistance to high speed particles	Resistance to surface damage by fine particles	Resistance to fogging

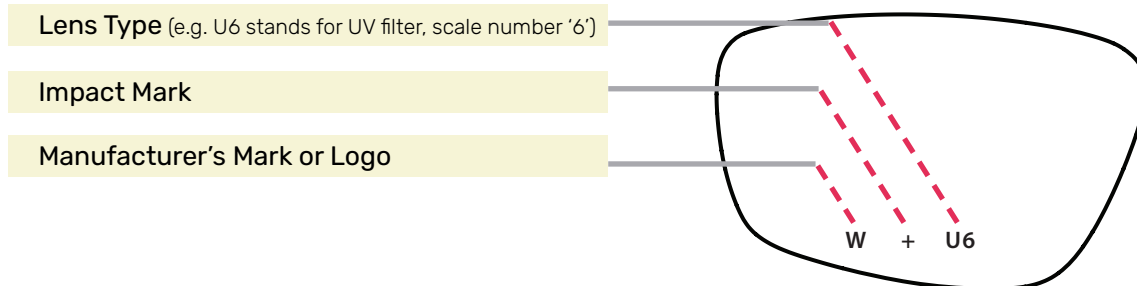
3.4 Wearers' comfort & acceptance in accordance with SS473 standards

- Lightweight for prolonged wearing and use
- Good fitting with temple length adjustment
- Good fitting for different nose bridges with temple inclination height adjustment
- Eye and bridge sizes suitable for Western or Asian people
- Pressure points reduced by soft, tri-flex or dual density anti-slip temples
- Well ventilated or with anti-fog features
- Polycarbonate lens must have durable anti-scratch and anti-fog coating for clarity
- Material should withstand tropical climate, high humidity and temperature

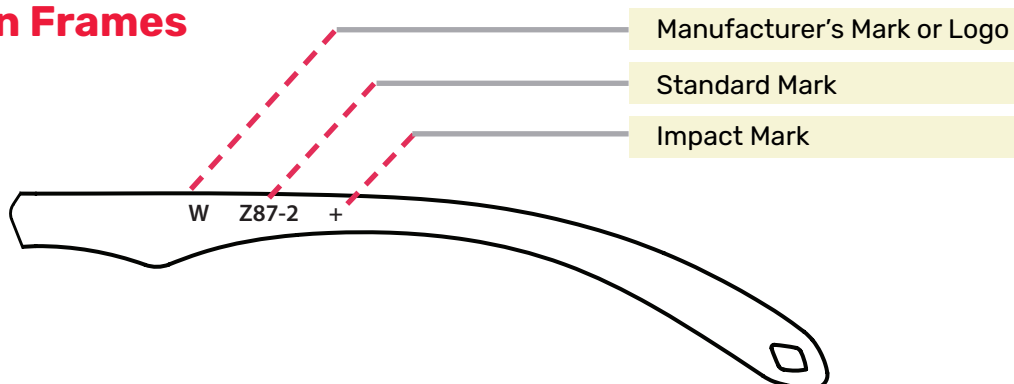
3.5 Additional consideration for goggles in accordance with SS473 standards

- Wide vision for panoramic view
- Good face sealing for better protection and comfort
- Wide headband for increased comfort
- Able to wear over prescription spectacles
- Choice of lens material such as acetate, propionate or polycarbonate

Marking on Lens



Marking on Frames



High Velocity Impact

New ANSI Z87.1-2015 allows the use of a steel ball of diameter 6mm (0.24"), travelling at 50.9m/s (167 ft/s) or a steel ball with diameter 6.35mm (0.25") travelling at 45.7m/s (150 ft/s) when conducting the high velocity impact test on the complete devices.

Safety Prescription (SRX) Lens Material Qualification

Representative SRX lens must be tested to resist high velocity impact using steel ball of either diameter 6mm and 6.35mm as specified in Section 2.3.1.

Safety Prescription (SRX) Lens Mounting Qualification

Complete SRX eyewear with representative test lens and retention system shall be capable of resisting high velocity impact using steel ball of either diameter 6mm and 6.35mm as defined in Section 2.3.1.

Protectors Providing Filtration of Optical Radiation

Special Purpose Filters

Special purpose filters, both tinted and extra dark, marked "S", may or may not comply to requirements for welding, UV and visible light filters, but shall comply with the transmittance requirements for special purpose lenses.

Visible Light Filters

Protectors marked L1.3 to L3 must meet transmittance requirements of traffic signal recognition and UV transmittance of ANSI Z80.3-2010, American National Standard for Ophthalmics - Nonprescription Sunglasses and Fashion Eyewear Requirements. While protectors marked L4 to L10 are too dark to be used for driving, they shall meet UV transmittance requirements of ANSI Z80.3-2010.

Transmittance of Non-Lens Components

If a spectacle claims to meet the transmittance requirements of welding, UV and infrared filter lenses, the side shields of the spectacles shall be tested to the maximum scale number of the lens with which they will be fitted. Wraparound lenses which have the side protection as part of the lenses will be subjected to the same testing.

Angular Dependence of Luminous Transmittance

Requirements for angular dependence of luminous transmittance for welding filters have also been added to address visual effect that welders can find both dangerous and disturbing.

Droplet and Splash, Dust and Fine Dust Hazard

In ANSI Z87.1-2015, the tests for droplet and splash, dust, and fine dust hazards are intended to determine the capability of the protector to keep liquid splashes or sprays, large dust and fine dust particles, from reaching the wearer's eyes. Eyewear that pass each test are marked additionally with D3, D4, and D5 respectively. (Refer to table 3.5.1)

Important Notes for Safety Prescription (SRX) Eyewear

1. Minimum Lens Thickness of SRX Lens

SRX eyewear must be fitted with impact rated SRX lens with a minimum thickness of 2mm (0.08")

2. SRX Optical Requirements - Refractive Power, Astigmatism, Prism and Prism Imbalance for RX Protectors and Magnifiers

SRX lens must be tested according to and comply with the tolerance on refractive power, astigmatism, prism and prism imbalance as stated in ANSI Z80.1-2010, American National Standard for Ophthalmics - Prescription Ophthalmic Lenses Recommendations.

3. SRX Lens Mounting Qualification

Complete SRX eyewear with representative test lens and retention system shall be capable of resisting high mass and high velocity impact. A new lens retention test is required of prescription safety laboratories fabricating impact rated SRX eyewear to determine their ability to consistently produce lenses that will be retained in the various frame types they choose to sell. SRX frame manufacturers must also test their frames to this lens retention test.

4. SRX Lens Material Qualification

Representative SRX lens must be tested to resist high velocity impact using a steel ball of diameter 6mm (0.24") travelling at 50.9m/s (167 ft/s) or a steel ball with diameter 6.35mm (0.25") travelling at 45.7m/s (150 ft/s).

5. SRX Lens Carrier (RX Insert)/SRX Eyewear with Lift Fronts

The complete device with prescription lenses in +5.0 and -5.0 diopters fitted in the carrier, behind the plano eyewear shall be tested. RX lens carrier used behind plano protectors shall be marked with the manufacturer's mark or logo but not any other Z87 markings. Complete devices with SRX eyewear and lift fronts shall be tested with the lift front in the "up" position.

6. SRX Side Shield Attachment

SRX eyewear must be equipped with side shields that can be securely or permanently attached to pass the side impact test.



ANSI/ISEA Z87.1-2015 Standard

The American National Standards Institute (ANSI) has approved and issued the new ANSI/ISEA Z87.1-2015 American National Standard for Occupational and Educational Eye and Face Protection (ANSI Z87.1-2015). This standard went into effect May 28, 2015, and updates the 2010 version. While the scope of the standard remains mostly unchanged, there are a number of modifications that have significant impact. The following outlines these changes and how they impact eye protection and the methods companies use to select safety products.

Important Changes

ANSI Z87.1-2015 continues to focus on product performance and reflects the need to streamline testing methods to harmonize with global standards to allow new and innovative designs to protect against hazards, meet end-users needs and workplace regulations. This consists of acceptance of protectors known as “magnifiers” and “readers” that have lenses, or portion of lenses that have magnification properties. The new Z87.1-2015 standard fine-tunes the hazard-based structure of choosing protectors, a concept first introduced in 2010. In the revised standard, additional emphasis has been placed on enabling users to select protectors suitable for their working environment and providing end-users with information to facilitate the selection process.

Optical Requirements of Refractive Powers

ANSI Z87.1-2015 specifies that the telescope and observer shall be qualified by resolving pattern 40 of the test pattern instead of pattern 20. The revised standard states that the average refractive power of lenses with astigmatism is used instead of each meridian.

Physical Requirements of Drop Ball Impact Resistance

ANSI Z87.1-2015 elaborates on the specifications of testing apparatus used in the drop ball test. The projectile will be dropped from a height of 127cm (50”) through a loose fitting guide tube with a smooth internal diameter ending 10cm (4”) above the point of contact. The revised standard eliminates the need to perform drop ball testing for a protector that is first tested to and meet the requirements of impact resistance.

SS473:2011 Singapore Standard

According to clause 5.3 of the SS473: Part 2:2011 Singapore Standard, eye protectors (plano and prescription eye protectors) must comply and be marked in accordance with any of the following standards or their equivalent: ISO, EN (Europe), ANSI (USA), CSA (Canada), AS/NZ (Australia/New Zealand) and JIS (Japan). All WORKSafe® eyewear comply with SS473 as well as ANSI/ISEA Z87.1 standards, and, if indicated, EN166 standards.

Purchase Care



Follow these care instructions for long-lasting comfort and protection!

1. To avoid breaking or bending your spectacle frame, handle your glasses with both hands. Pull both ear rails simultaneously when putting on or taking off your glasses.
2. When not in use, store your glasses in a case like the **WORKSafe® SRX**
3. If you haven't got a case, be sure to place your **WORKSafe®** safety eyewear upright, so the lenses don't get scratched or scuffed.
4. Clean your glasses regularly with microfiber cloths or with **WORKSafe® Kleanlens®** solution; or by washing them with mild soap and water.
5. Avoid exposing your glasses to extreme temperatures, under direct sunlight, or during your bath. Smoke, heat and steam can damage the lens coating.