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INDUSTRIAL GROUP

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PROTECTING PEOPLE AT WORK

PSS INDUSTRIAL GROUP is a leading supplier of products, services, and equipment for the oil and gas, energy, and industrial markets. As a value-added distributor, PSS Industrial Group serves a diverse customer base and offers leading brands and products we stand behind, such as MSA brand PPE—a proven leader in the worker safety category.

For over 100 years, the safety experts at MSA have been protecting workers from the dangers of toxic and combustible gases, explosions, fires, trips and falls, loud noises, flying debris, dust, and more. If you're responsible for plant or process safety in the oil and gas industry, PSS Industrial Group and MSA are here to help you prevent accidents.



FALL PROTECTION PAGE 3

MSA sets the standard for fall protection because MSA safety solutions are designed for comfort and compliance—so you can focus on your work, not your PPE.

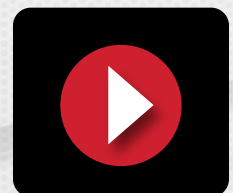


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GAS DETECTION PAGE 10

Gas detection plays a fundamental role in helping to keep workers and worksites safe from flammable and toxic gases. With MSA portable gas detectors, you have a connected solution that helps create safer work environments.



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HEARING PROTECTION PAGE 13

PSS offers a full line of hearing protection wear and accessories from MSA. MSA products may be simple to use and maintain, but they're also highly sophisticated devices and protective gear.



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SAFETY HARNESSES

ENSURE YOUR EMPLOYEES ARE SECURELY EQUIPPED
AND MOVING CONFIDENTLY, NO MATTER THE INDUSTRY.



GOOD V-FORM™ SAFETY HARNESS MSA10196642

Standard, Back D-Ring, Tongue Buckle Leg Straps

Starting with good, the MSA V-FORM™ Safety Harness is built for durability and simplicity. With plated steel hardware, a back D-ring, and tongue-buckle leg straps, it's lightweight and dependable — ideal for essential protection on any job site.



BETTER V-FORM+™ SAFETY HARNESS MSA10206161

Standard, Back & Hip D-Ring, Tongue Buckle Leg Straps, Shoulder Padding

Need more comfort and versatility? The better choice is the MSA V-FORM+™ Safety Harness, featuring enhanced shoulder padding, a hip D-ring, and quick-connect chestbuckles. It's designed for those long workdays when safety and comfort go hand-in-hand.



BEST V-FIT™ SAFETY HARNESS MSA10195149

Standard, Back & Hip D-Rings, Tongue Buckle Leg Straps, Shoulder Padding

For those who demand the best, the V-FIT™ Safety Harness leads the pack. With aluminum hardware, premium padding at the shoulders and waist, and advanced RFID technology for easy tracking and inspections, it's the ultimate solution for maximum safety and performance.





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HARNESS ACCESSORIES

SUSPENSION TRAUMA SAFETY STEP WITHOUT CARABINER

MSA10063441

SUSPENSION TRAUMA SAFETY STEPS ALLOWS WORKERS TO RELIEVE PRESSURE BY INSERT A FOOT INTO THE STEP LOOPS AND THEN STANDING UP IN THE HARNESS TO INCREASE BLOOD FLOW.

- Material: Nylon
- Suitable For Use With: Body Harness
- Dimensions: 6 ft L
- Specifications: 800 lb Working Capacity
- Color: Black



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CABLE SLING

ANCHORAGE CONNECTOR EXTENSION

MSA10087003

INTENDED TO BE USED IN A BASKET CONFIGURATION ONLY, THE CABLE SLING IS APPROVED FOR USE BY ONE PERSON AT A TIME WITH APPROVED SYSTEMS. TWO STRANDS OF CABLE SLING MUST BE OF EQUAL LENGTH TO ENSURE AN EVEN DISTRIBUTION OF A LOAD.

- Standard lengths of 4-ft. and 6-ft.; custom lengths available
- Vinyl-coated wire rope
- 1/4" galvanized cable
- Minimum breaking strength of 5,000 lbs.
- Compatible for use with MSA fall arrest and confined space entry/retrieval components



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SHOCK ABSORBING LANYARD

V-SERIES STANDARD TWIN-LEG ADJUSTABLE ENERGY ABSORBING LANYARD

MSA10191758



SIMPLIFIES PRODUCT SELECTION BY OFFERING A CONCISE LINE OF STANDARD LANYARDS THAT MEET A WIDE RANGE OF NEEDS. THESE LIGHTWEIGHT SAFETY LANYARDS NOT ONLY LIMIT FORCE ON THE BODY IN A FALL, BUT ALSO ON THE ANCHOR LOCATION.

- Meets CSA Z259.11-17 standard for shock absorbing safety lanyards
- CSA Light-weight worker options available
- Meets ANSI/CSA/OSHA standard for shock absorbing safety lanyards
- Choice of single or twin leg configurations
- Choice of adjustable or fixed length options



SAFETY LANYARD

V-SERIES TIEBACK TWIN-LEG ENERGY ABSORBING TIE-BACK LANYARD

MSA10193941



DESIGNED TO KEEP FALL ARREST FORCES BELOW 900 POUNDS. ITS UNIQUE CARABINER BODY SHAPE HELPS AVOID CONFUSION WITH STANDARD CONNECTORS NOT DESIGNED FOR TIE-BACK APPLICATIONS.

- 5,000 pound gate strength in any direction allows the FP5K carabiner to be tied directly to the lanyard
- Available in both single and twin leg configurations
- Features a new easy identifiable symbol system to indicate the type of lanyard





HARNESS ACCESSORIES

V-SERIES, EXTENSION, SINGLE, D-RING

MSA10203183



MSA'S HARNESS ACCESSORIES MAXIMIZE USER COMFORT AND ALLOW CUSTOMIZATION OF HARNESSES. COMFORT PADS PROVIDE ADDITIONAL COMFORT AT SEAT, SHOULDERS, AND CHEST WHEN PROLONGED SUSPENSION OR EXTRA TOOL LOADS ARE NECESSARY.

- Bosun Chairs include a padded seat and will keep the user in an upright position for long durations
- Economic back supports provide additional comfort at the lower back when prolonged suspension or extra tool loads are necessary
- Lanyard Connector Adapters extend the back D-ring attachment point 18" from the center of the user's back allowing easier attachment



SAFETY LANYARD

CABLE TEMPORARY HORIZONTAL LIFELINE

MSA10219288

75% FASTER INSTALL THAN TRADITIONAL CABLE SYSTEMS. THE TOOLLESS INSTALLATION OF MSA'S THLL HELPS TO SAVE TIME AND INCREASE EFFICIENCY WHEN SETTING UP LIFELINES ON THE JOBSITE.

- Integrated locking and tensioning mechanism on the handle – eliminating the need for nuts, bolts and wrenches
- Lightweight, flexible cable helps make installation easy to complete by a single worker
- Locking and tensioning mechanisms are on the same side – no need to travel back and forth for set up
- Easy-to-read red and green visual indicators let the user know the system is locked, tensioned and ready for use





LATCHWAYS® VERTICAL LADDER LIFELINE KITS

LADDERLATCH ATTACHMENTS DEVICE

MSA3104L-00



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ALLOW FOR HANDS-FREE MOVEMENT UP AND DOWN THE ENTIRE HEIGHT OF THE FIXED LADDER, ELIMINATING THE NEED TO DISCONNECT AND FIND NEW TIE-OFF POINTS WHILE ASCENDING OR DESCENDING THE LADDER.

- Self-installed fixed ladder fall protection
- All stainless steel components
- Available with extension post for better user mobility
- Available in multiple lengths for different ladder heights and must be used in conjunction with the Latchways LadderLatch™ climbing device (sold separately)



TOOL HOLDERS

ERGONOMIC TOOL HOLDER

MSA507005



MSA ERGONOMIC TOOL HOLDER AND HANDS-OFF CHISEL GRIP ELIMINATE AWKWARD HAND POSITIONING. VIBRATION ABSORBING TECHNOLOGY PERMITS FASTER, SAFER, AND MORE ACCURATE WORK.

- Thermoplastic elastomer over-molded on high-density ABS plastic handle
- High density ABS plastic adjustment dial
- Nylon fabric with rubberized, high-grip surface strap
- Steel banding, with integral 1/4 inch adjustment nut and steel rivets
- 5.4 ounces • 6 inch length
- Threaded adjustment rod: 3.3 inch total length, 2 inch (50.4mm) thread length



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SELF-RETRACTING LIFELINE

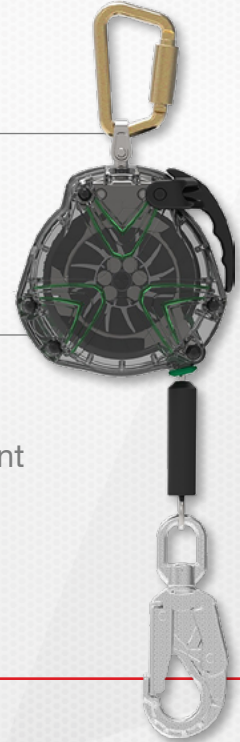
V-TEC™ STANDARD CABLE SRL

MSA63310-00A



WITH PREMIUM STAINLESS STEEL COMPONENTS AND INNOVATIVE ENGINEERING, THE V-TEC SELF RETRACTING LIFELINE INCORPORATES A PRECISION-MADE SPRING RADIAL ENERGY ABSORBER THAT REQUIRES ZERO CALIBRATION OR ADJUSTMENT.

- 30' (10m) • Stainless Steel Cable • Steel Swivel Snaphook • ANSI
- Completely field-serviceable with minimal components
- Spring radial energy absorbing technology requires zero calibration or adjustment
- Retraction dampening features controls the cable speed to <3m/s
- High-impact, clear polycarbonate housing simplifies pre-use inspection
- Fully rotating attachment point for complete user mobility
- Stainless steel cable and components



PERSONAL FALL LIMITER

V-SHOCK® EDGE LEADING EDGE PFL

MSAVSLEW-012-PA-A



PERSONAL FALL LIMITER BUILT FOR EASE OF USE. AVAILABLE IN MULTIPLE LENGTHS AND SNAPHOOK CONFIGURATIONS FOR A VARIETY OF APPLICATIONS..

- Selection is made easier with defined color coded housings, and energy absorbers - Green for Leading Edge, Gray for overhead use only
- labels use clear iconography to help deliver critical SRL information in a clear and easy to understand format
- Clearance charts have been designed to communicate fall clearance requirements in an intuitive format - both in the user manual, and on the label pack for easier access
- Preloaded RFID allows you to quickly integrate the V-Shock line of SRLs with your MSA Fall Protection Asset Manager





PERSONAL FALL LIMITER-WEB

V-TEC™ WEB PFL

MSAVTOHW-012-RA-A

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INCORPORATING USER-INSPIRED CONVENIENCES, THE V-TEC SERIES OF PERSONAL FALL LIMITERS WILL PROVIDE YOUR WORKFORCE THE SAFETY THEY NEED IN A COMPACT AND LIGHTWEIGHT DESIGN, GETTING THE JOB DONE WITH THE COMFORT AND PERFORMANCE THEY DEMAND.

- Optimized design utilizing lightweight materials to improve weight and comfort
- Selection is made easier with defined color coded housings – Green for Leading Edge, Gray for overhead use only
- Additionally, labels use clear iconography to help deliver critical SRL information in a clear and easy to understand format
- Clearance charts have been designed to communicate fall clearance requirements in an intuitive format



PERSONAL FALL LIMITER

V-SHOCK® EDGE LEADING EDGE PFL

VSLEW-012-PJ-A-TB

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MAKE SELECTION AND USE OF SELF-RETRACTING LANYARDS SIMPLER WITH THE NEW V-SHOCK LINE OF SRLS. AVAILABLE IN MULTIPLE LENGTHS AND SNAPHOOK CONFIGURATIONS FOR A VARIETY OF APPLICATIONS.

- Selection is made easier with defined color coded housings, and energy absorbers - Green for Leading Edge, Gray for overhead use only
- The V-SHOCK EDGE Leading Edge (LE) web PFL allows users to get the job done while working in leading edge scenarios with a product designed to perform in some of the most rigorous environments.
- Additionally, labels use clear iconography to help deliver critical SRL information in a clear and easy to understand format
- Clearance charts designed to communicate fall clearance requirements in an intuitive format – both in the user manual, and on the label pack for easier access





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MULTIGAS DETECTOR

ALTAIR® 5X DETECTOR

MSA10116926: LEL,O₂,CO,H₂S

MSA10116927: LEL,O₂,CO,H₂S,SO₂



MSA ALTAIR® 5X GAS DETECTOR MEASURES UP TO SIX GASES INCLUDING NATURAL GAS. NOW AVAILABLE WITH INTEGRATED PID SENSOR FOR VOC DETECTION. DRIVEN BY ADVANCED MSA XCELL® SENSOR TECHNOLOGY, THE ALTAIR® 5X GAS DETECTOR DELIVERS FASTER RESPONSE TIME, BETTER STABILITY, ACCURACY, LONGER SERVICE LIFE, AND COST SAVINGS OVER THE LIFE OF THE INSTRUMENT.

- Charcoal • Standard • Monochrome Display • 10' Line • 1' Probe
- Detects combustible gases in LEL and/or volume percentage range, oxygen, carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, ammonia, chlorine, VOCs, and many others depending upon sensor configuration
- Rugged overmolded polycarbonate housing provides unsurpassed durability, including ability to survive 10-ft. (3m) drop; IP65-certified
- Field-proven integral pump provides consistent gas flow, eliminating concerns of externally-attached components
- High performance XCell Sensors last longer:
 - Typical life greater than four years for combustible, O₂, CO/H₂S, SO₂, CO/NO₂ and CO (high concentration) sensors
 - Typical life greater than three years for NH₃ and Cl₂ sensors
 - Most sensor response and clear times <15 seconds
- Less calibration gas used:
 - Requires about half of test gas typically used for calibration and bump tests
 - Rapid bump test gives results in less than 10 seconds for most common sensor configurations
 - Span calibration time of 60 seconds for most common sensor configurations
- MotionAlert feature option tells others that user has become immobile
- InstantAlert feature provides manual alarm to alert others as to a potentially hazardous situation
- PID option allows for accurate, reliable VOC response with programmable reference factors
- Large buttons and bright display provide easy operation, even when users wear gloves
- Exclusive end-of-sensor warning cautions users when unit's sensor nears end-of-life
- Versatile MSA Link™ Software allows users to transmit data to a computer
- Compatible with GALAXY® GX2 Test System



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AUTOMATED TEST SYSTEM

GALAXY® GX2, ALTAIR® MULTIGAS DETECTOR

MSA10128627: 5/5X

MSA10128641: 4/4X

MSA GALAXY® GX2 PROVIDES AUTOMATED CALIBRATION OF MSA ALTAIR® GAS DETECTOR FLEET. SIMPLICITY COUNTS WITH THE MSA GALAXY® GX2 AUTOMATED TEST SYSTEM FOR ADVANCED SAFETY MANAGEMENT AND EFFORTLESS OPERATION. THE GALAXY® GX2 AUTOMATED TEST SYSTEM PROVIDES SIMPLE, INTELLIGENT TESTING AND CALIBRATION OF ALTAIR® 2X SINGLE-GAS DETECTORS AND ALTAIR 4XR AND ALTAIR® 5X MULTIGAS DETECTORS. EASY-TO-USE AUTOMATED TEST STAND OFFERS HIGH PERFORMANCE AS EITHER STAND-ALONE UNIT OR INTEGRATED PORTABLE DETECTOR MANAGEMENT SYSTEM, ENABLING TOTAL DATA ACCESS AND CONTROL OF THE MSA ALTAIR FAMILY GAS DETECTOR FLEET.

- Color touch screen for ease of setup and viewing
- Extremely simple to use; testing starts automatically without touching a single button
- Simultaneous testing of up to ten instruments
- GALAXY® GX2 System is optimized for use with MSA's XCell® Sensors; provides up to 50% cost of ownership reduction
- At-a-glance indicators include low calibration gas volume, expiration warnings and test stand status
- Applications: Welding, Turnarounds & Plant Maintenance, Confined Space, Emergency Response, Firefighting
- Markets: Construction, General Industry, Oil & Gas, Fire Service, Utilities, Mining
- Each instrument type has a dedicated GALAXY® GX2 System test stand. 10 test stands can be banked together in any combination, allowing for ultimate flexibility
- Selection of ALTAIR® 4/4X Detector and multi-unit charger provides charging for up to four ALTAIR® 4/4X Detectors
- Selection of ALTAIR® 5/5X Detectors and multi-unit charger provides charging for up to four ALTAIR® 5/5X Detectors
- Instrument charging allows for a single instrument to be charged per test stand
- Smart cylinder holder provides calibration gas information and gas levels





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MULTIGAS DETECTOR

ALTAIR® 4XR MULTIGAS DETECTOR

MSA10178557



OUTFITTED WITH RAPID-RESPONSE MSA XCELL® SENSORS, THE ALTAIR® 4XR GAS DETECTOR IS THE TOUGHEST 4-GAS MONITOR ON THE MARKET AND IS BACKED BY A 4-YEAR WARRANTY.

- Survives 25 drops from 4 feet (1.2 meters) (MIL-STD-810G 516.6 Transit Drop 3rd Party Certified)
- Can survive an incidental 25-foot (7.5-m) drop onto concrete
- Operating temperature range: -40°F to +140°F (-40°C to +60°C)
- 4-year instrument & sensor warranty
- Confirm compliance quickly with the Bump LED & on-screen checkmark
- Bump and calibrate at a specified “Time of Day” with your MSA GALAXY® GX2 Automated Test System
- Sense gas two times faster than the industry average with our XCell sensors



FIRMWARE UPDATES

ALTAIR® 5X MULTIGAS DETECTOR

MSA10242735



ALTAIR® 5X MULTIGAS DETECTOR FIRMWARE UPDATES AND PID SENSOR REPLACEMENT INFORMATION. THIS PAGE PROVIDES THE INFORMATION NEEDED TO UPDATE ALTAIR® 5X PID MULTIGAS DETECTORS TO FIRMWARE REVISION 6.00.XX, WHICH ALLOWS FOR THE USAGE OF REPLACEMENT SENSOR (PN 10242735).

In August 2023, MSA issued a User Safety Notice regarding usage of the ALTAIR® 5X PID for PID sensors manufactured between March 2020 and June 2023. Guidance for products in the affected range increased from bump checks prior to each day’s usage, to bump checks, and/or gas checks after the unit is powered on.

Once an Altair 5X PID device has been updated to v6.00.xx and is using sensor PN 10242735, bump check schedules can revert back to previous recommendations of prior to each day’s usage.





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HEARING PROTECTION

V-GARD® HELMET MOUNTED HEARING PROTECTION FOR MSA HARD HATS

MSA10190358



FOR INDUSTRIAL WORKERS, THE V-GARD® CAP MOUNTED HEARING PROTECTION LINE DELIVERS ENHANCED COMFORT AND TOP-OF-THE-LINE PERFORMANCE, WITH UPGRADES IN FIT AND STYLE; ALL WITHOUT COMPROMISING THE QUALITY EXPECTED FROM THE V-GARD BRAND.

ENHANCED COMFORT AND FIT

- Improved sealing ring and adapters optimize fit, providing prolonged comfort
- Foam injected ear pads provide soft points of contact
- Multiple adjustment points allow for custom fit
- Vertical adjustment allows for custom fit
- Recessed interior foam does not touch user's ear while in use
- When not in use, earmuffs may be stowed in "parking" position, ready for when you need them

SUPERIOR PERFORMANCE

- Highest attenuation for a cap mounted earmuff on the market
- MSA exclusive sealing rings allow for optimal NRR performance
- Designed for optimal performance and approved with all MSA industrial hard hats
- Offers the highest attenuation for a cap-mounted earmuff on the market
- Custom MSA sealing rings allow for optimal NRR performance
- Works with slotted MSA industrial cap-style hard hats
- Works with existing MSA visors and frames for seamless integration into your safety program

MODERN STYLE

- Includes the next generation "V" design from the iconic V-Gard
- Incorporates red, yellow, and green color-coding on the backplate and front logo to easily identify level of attenuation
- Upgraded fork design provides a sleek look and modernized feel
- Matte material for both cup and ear pads decreases look of wear and tear

