

General Accessories / Locking Pliers / C-Clamps

Hands-Off™ Chisel Grip

The Hands-Off™ Chisel Grip keeps hands away from the point of contact. It is ergonomically designed to match the specific shape of the human hand for a comfortable and firm grip.

- Economical and permits faster, safer, more accurate work.
- Easy adjustment to hold a variety of chisels and stakes up to 1" diameter.
- Vibration-absorbing handle.
- Eases awkward hand positioning.
- Spark resistant.

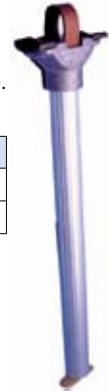
Part No. 10040018



Ergonomic Tool Holders

- Holds wrenches, chisels, etc.
- Vibration-absorbing design,
- Attach to broom handles and mops for better grip.
- Eases awkward hand positioning.

Part No.	Description
507005	Tool Holder, 18"
507006	Tool Holder, spark resistant, 18"



Weld Clamp 9", 2-Jaw

- Holds parts in proper alignment - even when material is not of identical thickness.
- Positive lock leaves hands free.
- Deep-throated U-shaped jaws provide perfect visibility.
- 10 per carton

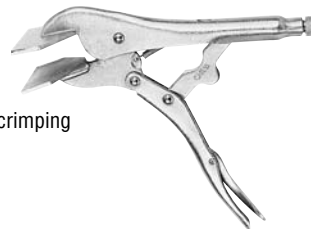
Part No. WC-9 (UPC No. 0 27719 00125 8)



Locking Sheet Metal Tool, 8"

- Locks to work with powerful grip for smooth and accurate bending and seaming.
- Micro-adjusting screw and easy release trigger.
- Locks to work with powerful grip.
- Makes all kinds of bending, forming and crimping jobs faster and easier.
- 10 per carton

Part No. LS-8 (UPC No. 0 27719 00139 5)



Locking Pliers, 6" and 11"

- High grade alloy steel for maximum durability and performance.
- Micro-adjustment for quick pre-adjusting and repeat clamping.
- Powerful locking mechanism prevents slippage.
- Jaws open wide for versatility.
- Locks securely with hand squeeze.
- Easy-release trigger.
- 10 per carton

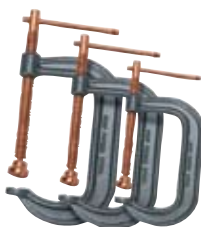
Part No. LC-6 (UPC No. 0 27719 00138 8)
Part No. LC-11 (UPC No. 0 27719 00137 1)



Heavy Duty, Drop Forged C-Clamps

- Rugged, heavy duty drop forged steel frame.
- Non-slip clamping on all shapes.
- Extra throat depth.
- Steel spindles are copper plated for spatter protection.
- Swivel pads adjust freely to bear evenly on clamped part.
- Lacquered finish.
- Individually boxed for easy storage and protection.

Part No. 412P
Part No. 410P
Part No. 408P



Part No.	UPC No. 0 27719	Throat Capacity		Depth		Spindle Dia.		Proof Test		Ctn
		Inches	mm	Inches	mm	Inches	mm	lbs.	Kg	
402P	01333 6	0 - 2-1/8	0-54	2-1/4	57	9/16	14	3500	1590	20
404P	01334 3	0 - 4-1/2	0-114	3-1/4	83	3/4	19	6200	2810	10
406P	01336 7	0 - 6-1/16	0-154	4-1/8	105	3/4	19	6900	3130	10
408P	01337 4	0 - 8-1/4	0-210	5	127	3/4	19	6600	3000	5
410P	01338 1	2 - 10-1/8	50-257	6	152	3/4	19	8000	3630	5
412P	01341 1	2 - 12-1/4	50-311	6-5/16	160	7/8	22	9300	4220	5

Malleable Iron C-Clamps

- New design frame for maximum strength.
- Steel spindles are copper plated for spatter protection.
- Swivel pads adjust freely to bear evenly on clamped part.
- Lacquered finish.

Part No. CC-6
Part No. CC-5



Part No.	UPC No. 0 27719	Throat Capacity		Depth		Spindle Dia.		Ctn
		Inches	mm	Inches	mm	Inches	mm	
CC-2	00054 1	0 - 2	0-50	1-1/8	28	7/16	11	10
CC-3	00055 8	0 - 3	0-75	1-5/8	40	7/16	11	10
CC-4	00107 4	0 - 4	0-100	2-1/4	56	7/16	11	10
CC-5	00108 1	0 - 5-1/4	0-130	2- 5/8	65	1/2	13	10
CC-6	00109 8	0 - 5-7/8	0-147	3-1/4	83	5/8	16	10

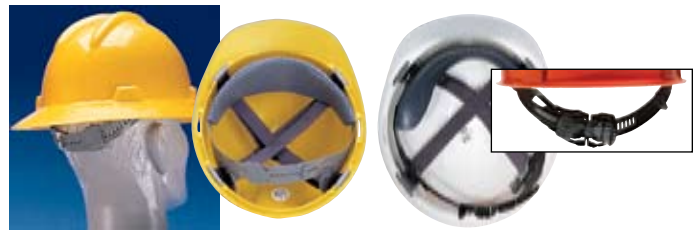
V-Gard® Protective Caps and Hats

V-Gard® Protective Caps and Hats from MSA consist of a polyethylene shell and suspension system working together as a protective system. V-Gard® headwear features advanced styling in either cap or hat styles, with the cap available in three sizes: small (6" - 7-1/8"), standard (6-1/2" - 8"), and large (7" - 8-1/2").

V-Gard® Caps and Hats meet or exceed the applicable requirements for a Type 1 helmet (top impact) as outlined in ANSI Z89.1-2003, Class E, and also as outlined in CSA 294.1-2005 (Class E) with 1-Touch™ and Fas-Trac™ suspensions.

V-Gard® Caps and Hats are not specifically designed to protect against lateral blows from the front, side, or rear. MSA's Vanguard™ II Protective Helmets are so designed and must be used if lateral protection is desired. For more information, contact your MSA distributor.

Warning: Do not mix suspension and helmet sizes. Make sure the sizes match (example: standard-size suspension with standard-size helmet). Use only MSA suspensions on an MSA helmet. Failure to comply with the above will reduce the energy-absorbing ability of the protective helmet, which can result in serious injury or death.



Staz-On® Suspension System

1-Touch™ Suspension System



Fas-Trac® Suspension System

Swing-Ratchet Suspension System

V-Gard® Complete Assemblies

Color	Small V-Gard® Slotted Cap		Standard V-Gard® Slotted Cap				Large V-Gard® Slotted Cap		V-Gard® Hat Non-Slotted		
	w/Staz-On™ Suspension	w/Fas-Trac™ Suspension	w/Staz-On™ Suspension	w/Fas-Trac™ Suspension	w/1-Touch™ Suspension	w/Uni-Pro™ Suspension	w/Staz-On™ Suspension	w/Fas-Trac™ Suspension	w/Staz-On™ Suspension	w/Fas-Trac™ Suspension	w/1-Touch™ Suspension
White	466354	477477	463942	475358	10057441	10004760	473284	477482	454733	475369	10058321
Blue	466355	477478	463943	475359	10057442	10004762	476928	477483	454732	475368	10058320
Yellow	466356	477479	463944	475360	10057443	10004761	473285	477484	454730	475366	10058318
Orange			463945	475361	10057444	10004767			454734	496075	10058322
Red			463947	475363	10057446	10004763			454736	475371	10058324
Green			463946	475362	10057445	10004765			454735	475370	10058323
Gray(Navy)			463948	475364	10057447	10004766			454731	475367	10058319
Hi-Viz Orange		489368	488148	488146	10057420	10004764		489364	489360	10021292	10058326
Hi-Viz Lime Green			815558	815565		10017732			815562	815770	
Hi-Viz Yellow-Green				10061512	10061514					10061515	10061516
Dark (Canadian) Blue				802972						802975	
Gold				475365		10004768					
Robin's Egg Blue				495853							
Brown				495854							
Silver				495855							
Tan											
Black				492559							
Light Buff			478237	495856							
Purple			488398	495858							
Pink				495862							

Special V-Gard® Assemblies

White, w/L/B and C/H (Class C)			460018						460069	815009	
White w/ American Flag			474159								

Special V-Gard® Assembly with Swing-Ratchet Suspension

White Standard size V-Gard® Cap, w/ Swing-Ratchet Suspension										10004689	
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* CSA approved

Minimum quantities may apply on non-stock items.

Replacement Suspensions

	Small (6 - 7-1/8)	Standard (6-1/2 - 8)	Large (7 - 8-1/2)
Staz-On™	467386	454230	492566
Fas-Trac™	492567	473332	492568

V-Gard® Accessories

Part No.	Description
459458	Goggle Retainer for protective caps, less goggles



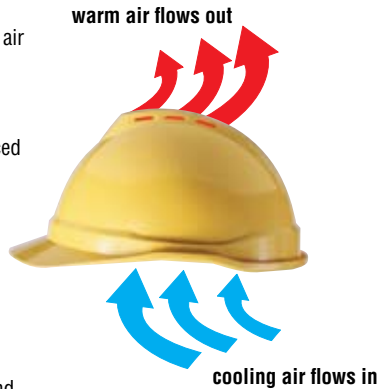
Protective Headwear

Advance® Cap: Vented Styles

Vented Advance® Caps provide cooling vents for improved air circulation and comfort. Advance® Caps consist of a polyethylene shell and 4 or 6-point or Fas-Trac® ratchet suspension that work together as a protective system.

Advance® Caps from MSA feature a combination of advanced features and styling:

- Improved air circulation.
- Optional 4 or 6-point Fas-Trac® suspension system.
- Lightweight design for added comfort.
- Lateral contours above the ear for easy integration of hearing protection.
- Glaregard™ under brim to reduce reflective glare.
- Custom printing available.
- Sun Shield available- extends the brim all the way around.
- Meets or exceeds the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003 and CSA Z94.1-2005.
- Meets Class C.



Color	4-Point Fas-Trac™ Suspension	6-Point Fas-Trac™ Suspension
White	10034018	10034027
Blue	10034019	10034028
Yellow	10034020	10034029
Red	10034022	10034031
Green	10034023	10034032
Hi-Viz Orange	10034026	10034035
Hi-Viz Lime Green	10035212	10035213



Officially-Licensed NFL™ V-Gard® Helmets

The NFL™ line of V-Gard® Caps with the comfortable, strap adjustable Staz-On® suspension offers superior quality, comfort, and protection. NFL™ V-Gard Caps meet or exceed all applicable requirements for ANSI Z89.1-2003 (Class E) for a Type I helmet. Safety directors will appreciate how NFL™ V-Gard® Caps complement a safety program and improve wearer acceptance.

Part No.	Description
818384	Arizona Cardinals
818385	Atlanta Falcons
818386	Baltimore Ravens
818387	Buffalo Bills
818388	Carolina Panthers
818389	Chicago Bears
818390	Cincinnati Bengals
818391	Cleveland Browns
818392	Dallas Cowboys
818393	Denver Broncos
818394	Detroit Lions
818395	Green Bay Packers
10031348	Houston Texans
818396	Indianapolis Colts
818397	Jacksonville Jaguars
818398	Kansas City Chiefs

Part No.	Description
818399	Miami Dolphins
818400	Minnesota Vikings
818401	New England Patriots
818402	New Orleans Saints
818403	New York Giants
818404	New York Jets
818405	Oakland Raiders
818406	Philadelphia Eagles
818407	Pittsburgh Steelers
818408	San Diego Chargers
818411	Saint Louis Rams
818409	San Francisco 49ers
818410	Seattle Seahawks
818412	Tampa Bay Buccaneers
818413	Tennessee Titans
818414	Washington Redskins



Adapter Kits for Welding Shields

Kits permit the easy attachment of welding shields, faceshields and visors to MSA's helmets.

Welding Kits



EC Adapter (left)

Part No.	Description
488525	Standard adapter for welding helmets and visors
806211	EC adapter kit (positive positioning type)

* **Note:** Use plastic or metal instant-release w/ visors

Plastic Instant-Release Attachment

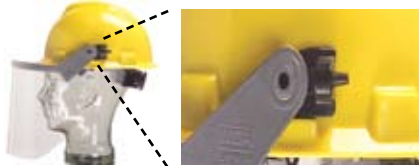


Plastic instant-release for welding helmet

Part No.	Description
10036456	Instant-Release and lugs for slotted caps
10039111	Instant-Release, less lugs, for slotted caps

Note: Cannot be used on vented advanced caps

Defender® + Frame w/ Instant-Release Attachment



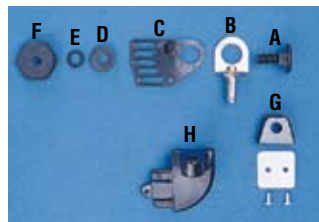
Defender + Faceshield frame instant-release

Part No.	Description
10037098	Defender® + frame for slotted cap, without lock-down

Metal Instant-Release Attachment



Metal instant-release attachment



Instant-release attachment

Part No.	Description
485460	Instant-release and lugs for slotted caps (A, B, C, D, E, F, H)
1005882	Lugs only, for instant-release slotted caps (H)
91385	Instant-release and lugs for non-slotted caps, with stop (A, B, C, D, E, F, G)
48733	Lugs only, for instant-release non-slotted caps (G)
456667	Instant-release, less lugs, with stop (A, B, C, D, E, F)
93631	Friction joints, pair (A, D, E, F)

Chin Straps

Wherever protective headwear must be worn, MSA chin straps can be worn to help keep the hats and caps in place during accelerated worker activity or windy conditions.



Part No.	Description
88128	Elastic chin strap

Respirators / Filters

Advantage® 200 LS Respirators

The Advantage® 200 LS Respirator's lighter and softer facepiece is made from a clear blue formulation of thermoplastic rubber to give workers more comfort and stability than ever.

Extensive anthropometric research led to the Advantage® Respirator's unique design. MSA's engineers examined facial form data of over 8,000 people and, with CAD technology, developed the AnthroCurve™ Sealing Surface, which instantly conforms to each wearer's unique facial characteristics.



Facepieces

2-Piece Neckstrap	Single Neckstrap	Size
815696	815448	Small
815692	815444	Medium
815700	815452	Large

Flexi-Filter®

For Advantage® Respirators

The Flexi-Filter® Pad is a great alternative to a standard cartridge-type particulate filter. Its swept-back design and low profile make it ideal for use under welding hoods or any tight spot where a respirator must be worn. Low breathing resistance and light weight keep the respirator comfortable and secure on your face.

All Flexi-Filter® pads are approved to the recent NIOSH 42 CFR Part 84 regulation. The filters are built around a plastic frame, which forms a plenum through which the air flows. The filtration media is a composite of multiple-layered materials, which vary, according to the class and efficiency that are required. Thin layers of carbon media are added if nuisance odor removal is required.



Part No.	Description
818342	P100
818343	P100 OV/Ozone
818344	P100 AG/HF
818345	P100 HG/CL
818346	N95
818347	N95 OV/Ozone
818354	P95
818355	P95 OV/Ozone
10063227	P95/HF (NIOSH)

NORTH

Low Maintenance Respirator N95

- For solids such as welding fumes and non-oil particulates.
- Fits easily under a welding hood.
- Replacement filters available (below).
- 42CFR 84 approved.

Part No. 7190N99



Replacement filters for Part No. 7190N99

Part No. 719009N99- 2 pack

WILLSON™

Saf-T-FIT® Disposable Respirators N95

- Recommended use: particulate aerosols free of oil.
- Suggested applications: medical, grinding, polishing, sanding, woodworking, sweeping, other dusty applications.
- Individually wrapped for superior hygiene.
- Spring-open design for easy donning.
- Unique fold and hold mechanism keeps contamination out during non-use
- Boomerang nose seal for a secure fit.
- Lightweight, humidity-resistant, hypo allergenic filter media for low breathing resistance.
- Durable suspension straps eliminate pre-stretching and staples do not penetrate filter area.



Part No. 14110321

Part No.	Description	Box Qty.
14110321	Flat fold - medium size	50 per box
14110322	Flat fold - large size	50 per box
14110323	N95- small	30 per box

Fall Protection

Workman™ Fall Protection Products Workman™ Harness

The Workman™ Harness provides comfortable protection, due to its lightweight components and durable webbing. This vest-style harness, with optional hip D-Rings for work positioning, fits a wide range of body types and sizes. Color-contrasting thigh and torso straps simplify donning.



- Economical.
- Chest Strap included.
- Abrasion-resistant, strong, durable webbing.
- Yellow polyester webbing for high visibility.
- Web retainer collars to keep excess webbing neat.
- Easy to don and adjust.
- Choice of Qwik-Fit™ or Tongue-Buckle leg straps for easy adjustments.
- Meets OSHA regulations, ANSI A10.32 & ANSI Z359.1 and is certified to CSA Z259.10-M90

Part No.	Size				Leg Buckles		Attachment Points	
	XSM	STD	XLG	SXL	Qwik-Fit™	Tongue	Back	Hip
10072478	•				•		•	
10072479		•			•		•	
10072480			•		•		•	
10072481				•	•		•	
10072482	•				•		•	•
10072483		•			•		•	•
10072484			•		•		•	•
10072485				•	•		•	•
10072486	•					•	•	
10072487		•				•	•	
10072488			•			•	•	
10072489				•		•	•	
10072490						•	•	•
10072491		•				•	•	•
10072492			•			•	•	•
10072493				•		•	•	•

Workman™ Construction Harness

The Workman™ Construction Harness adds an integral backpack for added comfort during work positioning and a removable, tongue-buckle tool belt. Meets applicable OSHA regulations, ANSI A10.32 and ANSI Z359.1 requirements.



- Integral back pad with tool belt included.
- Both attachment points are included (back and hip).

Part No.	Size				Chest Strap	Leg Buckles	Shoulder Pads
	XSM	STD	XLG	SXL	Qwik-Fit™	Tongue	
10072494	•				•	•	
10072495		•			•	•	
10072496			•		•	•	
10072497				•	•	•	
10072490	•				•	•	•
10077571		•			•	•	•
10077572			•		•	•	•
10077573				•	•	•	•

Workman™ Energy-Absorbing Lanyards

Workman™ energy-absorbing lanyards are lightweight with a low-profile body. The shock absorber includes a clear, durable protective cover over the labels to increase service life and allow for easy inspection.

- Tear-tape design to keep fall arrest forces below 900 lbs.
- Choice of single or twin-leg configurations.
- Choice of adjustable or tie-back configurations.
- Meets ANSI Z359.1, ANSI A10.32, applicable OSHA regulations, and is certified to CSA Z259.11-05 E4.



Part No. 10072472

Part No. 10072473

Part No. 10072474

Part No. 10073708

Part No. 10072475

Part No. 10076124

Part No.	Harness Connection	Anchorage Connection	Twin	Single	Tie-Back
10072472	LC	LC		•	•
10072473	LC	(2) LC	•		•
10072474	LC	LC		•	
10073708	LC	(2) LC	•		
10072475	LC	(2) GL3100	•		
10076124	LC	GL3100		•	

PointGuard™ Anchorage Connector Straps

PointGuard™ Anchorage Connector straps provide a secure point of attachment for residential and concrete construction use. The PointGuard™ anchorage connector can be installed in seconds, and when its no longer needed, you can simply cut the protruding strap and throw it away.

- Economical.
- Available in 2 models: residential or concrete construction.
- Durable, 1-3/4" polyester webbing.
- 5,000 lb. minimum breaking strength.
- 400 lb. capacity (182 kg)
- Meets all applicable OSHA regulations and ANSI A10.32 and ANSI Z359.1

Part No. 10042792- Residential Anchor Strap

Part No. 10042794- PointGuard™ Concrete Anchorage Connector Strap



Part No. 10042792



Part No. 10042794

Gas Detectors

Solaris® Multigas Detectors

The Solaris® Multigas Detector is an affordable, durable, reliable, easy-to-use portable instrument for detecting the presence of O₂, H₂S, CO and combustible gas.

- **Ergonomic design**- for maximum comfort.
- **Alarm system**- World-class triple alarm system with 100+ decibel audible alarm, multiple high intensity LED visual alarm and strong vibrating alarm.
- **Display features**- Superior display features simultaneous gas concentration display, backlighting for easy reading and alphanumeric message bar for easy use.
- **Lightweight**- Under 8 oz, compact size that makes it easy to wear.
- **Durable**- Case with rubberized armor provides superior protection against liquid and dust ingress (IP 65 rated).
- **Long-Life Battery**- Rechargeable lithium ion battery provides 14+ hours of continuous run time and delivers best-in-class performance in extreme conditions.
- **Galaxy Compatible**- Compatibility for computer automated calibration and record-keeping.
- **Sampling Pump Option**- Optional powered sampling pump with extensive contaminant filtering system.
- **Warranty**- Outstanding 2-year, all-inclusive warranty.



Part No.	Description
Standard Kits (include datalogging option)	
10048147	4-Gas Instrument
10048149	3-Gas (LEL, O ₂ , CO)
10048214	2-Gas (LEL, O ₂)
Deluxe Kits (includes Econo-cal calibration kit, datalogging & sampling pump)	
10049297	4-Gas Instrument
10049298	3-Gas (LEL, O ₂ , CO)
10049300	2-Gas (LEL, O ₂)

Altair™ Single-Gas Detector

The Altair™ Single-Gas Detector features sensor options for carbon monoxide, hydrogen sulfide and oxygen and will operate for over two years maintenance free. The long lifespan, coupled with the unit's high performance, results in one of the most cost-effective single-gas detectors on the market. Advanced design offers superior dust and water ingress protection and high resistance to RFI. Rubberized housing and one-button operation provide the durability and ease of use users expect from MSA instruments.

- Triple-alarm system featuring two bright flashing LEDs, a piercing audible alarm, and a vibrating alarm.
- Standard event logging.
- Hard polycarbonate case, encapsulated in a thick rubberized shell.
- Extremely resistant to drops and impacts.
- Rated to IP67 protection levels for dust/water ingress.
- Two years or 18 hours of alarm (1080 minutes) warranty.



Part No.	1st Alarm	2nd Alarm	Gas
10070750	25 ppm	100 ppm	Carbon Monoxide (CO)
10070749	10 ppm	15 ppm	Hydrogen Sulfide (H ₂ S)
10070791	23% Vol	19.5% Vol	Oxygen (O ₂)

Altair™ Pro Single-Gas Detector

The Altair™ Pro Single-Gas Detector measures and displays concentrations of CO, H₂S or O₂ (depending on version). This accurate, rugged and reliable detector can be used for gas monitoring or to alert the wearer of hazardous situations. The Altair Pro Single-Gas detectors use replaceable sensors and commercially available batteries, and feature a large display with backlight. The standard datalogging records the 50 most recent events, as well as recording the peak gas reading every 3 minutes. The data can be transferred to a computer via the MSA FiveStar® Link™ through IR communication (Part No. 655505).

- One-button operation, bump check and calibration.
- Triple alarm system: 95dB audible, visual and vibrating alarms.
- Rated to IP67 protection levels for dust/water ingress.



Part No.	Gas
10074135	Carbon Monoxide (CO)
10074136	Hydrogen Sulfide (H ₂ S)
10074137	Oxygen (O ₂)
655505	IR Communication for PC-Jet Eye