

Tungsten Grinder / Coolers / Cable Covers

Neutra Portable Tungsten Grinder

- 110 volt grinder
- Coolant-containing/dust-receiving bottle.
- Carrying case containing grinder and supplies:

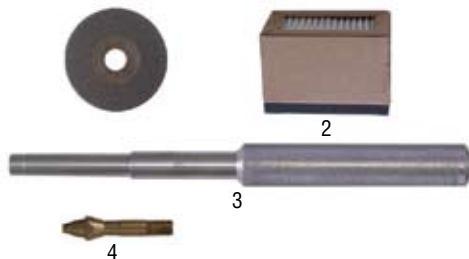
Part No. 88896022



Grinder Carrying Case Includes:

- (1) Portable Grinder
- (1) Electrode holder
- (3) Collets: 1/16", 3/32", 1/8"
- (2) Open-ended wrenches
- (2) Allen wrenches
- (1) Spare filter

Replacement Parts and Accessories



Item	Part No.	Description
1	44510030	Diamond grinding wheel
2	44510260	Filter cassette
3	44510050	Electrode holder
4	44510162	Collet 1/16"
	44510164	Collet 3/32"
	44510165	Collet 1/8"

MIG-TIG Cable Cover

- Abrasion resistant woven material.
- Non-conductive zipper with overlap flap to protect it from weld spatter.
- "Snug Straps" to secure both ends on torch.
- Ultraviolet light resistant.
- Acid/chemical resistant.
- Flame & tear resistant.



Part No.		Description	Size	
Value	Premium*		Width	Length
WC-3-10	CC310B	TIG 10'	3"	10'
WC-3-22		TIG 22'	3"	22'
	CC323B	TIG 23'	3"	23'
	CC410B	MIG 10'	4"	10'
	CC423B	MIG 23'	4"	23'

* Enter-Tube™ design innovation saves time by allowing the cover to be installed without disconnecting the torch from the power source.

Valu Coolers

- Ideal for MIG, TIG, Plasma, resistance, and Electro-Slag type welding.
- Features an all stainless steel tank, copper radiator coils, and a reinforced hose.
- Easy-to-read water indicators, quick change pumps and filters.
- Available in two compact styles with rigid motor mount to minimize damage and vibration.
- High efficiency, copper core and rustproof heat exchanger.



Part No. VC2500SS



Part No. VC3500SS

Model	VC2500SS	VC3500SS
Dimensions	17" x 11" x 14" (43.2 cm x 27.9 cm x 35.6 cm)	21-1/4" x 13-1/8" x 16-3/4" (54.0 cm x 33.3 cm x 42.5 cm)
Reservoir Capacity	2 gallon, stainless steel	3 gallon, stainless steel
Pump Capacity	100 PSI maximum 1.5 GPM (5.68 LPM) @ 50 PSI 1.8 GPM (6.81 LPM) @ 60 PSI	100 PSI maximum 1.5 GPM (5.68 LPM) @ 50 PSI 1.8 GPM (6.81 LPM) @ 60 PSI
Heat Exchanger	High efficiency, copper core, rustproof	High efficiency, copper core, rustproof
Motor Voltage	115 VAC single phase 60 Hz	115 VAC single phase 60 Hz
Amperage	6.8	6.8
Water Connections	1/4" NPT supplied w/ 5/8-18" UNC LH thread fitting	1/4" NPT supplied w/ 5/8-18" UNC LH thread fitting
Net Weight	29.3 lbs. (13.3 kg)	43 lbs. (19.5 kg)
Approximately Shipping Weight	34.3 lbs. (15.5 kg)	46 lbs. (20.9 kg)

Cable Covers

- Golden willow tanned leather.
- Adjustable to fit 1-1/2" to 1-3/4" diameter.
- Nickel plated snaps every 6 inches.

Part No. CC-10: 10'

Part No. CC-23: 23'

Part No. CC-50: 50'

Part No. CC-100: 100'



Goggles / Spectacles

Welding Goggles

Lift/Fixed Front Goggle

This soft polyethylene frame goggle has 6 vents that assure ample ventilation. Fits easily over prescription glasses. Supplied with a 2" x 4-1/4", shade 5 lens protected by a clear cover lens. A magnifier lens can be placed in the unit in the rear of the colored protective lens.

- Meets requirements of ANSI Z87.1

Part No. 932-13 lift front lens

Part No. 932-12 fixed front lens



Fixed Front Goggles

A streamlined one-piece hard frame welding cover goggle. Spring loaded lens retainer for quick replacement of lens. Headband slots are an integral part of the frame thereby strengthening both frame and slots. The 932-16 is the answer to the demand for a hard-frame welding goggle at a low price. Complete with shade 5 lens.

- Meets requirements of ANSI Z87.1

Part No. 932-16



Lift/Fixed Front 50 mm Goggle

The soft opaque vinyl frame comfortably molds to the face and fits easily over spectacles. Six baffled and screened vents to prevent fogging. Features a 50 mm lift front lens, affording dual purpose usage and added safety. Complete with shade 5 lens.

- Meets requirements of ANSI Z87.1

Part No. 932-15 lift front lens

Part No. 932-11 fixed front lens



Cup Type Goggle - Snug Fit-Vented Cup

These goggles combine comfortable snug fit with wide vision. Cups are molded of flame resistant plastic. Elastic headband is adjustable. Welders goggles are supplied with 50 mm shade 5 lens.

- Meets requirements of ANSI Z87.1

Part No. 932-44



Visitor Spectacle

- Advanced temple design for extraordinary comfort
- High impact protection
- Optically correct spherical lens
- Fits over most prescription spectacles
- Strong double hinged temple
- Excellent ultraviolet protection
- Meets requirements of ANSI Z87.1

Part No. 1410S



Slip-On Side Shields

These inexpensive side shields provide side protection against mild nuisance hazards. They fit most standard spatula type temples and may be easily and quickly installed or removed.

- DOES NOT meet ANSI requirements for side shield protection.

Part No. 934-60



Mag-Safe™ Magnifying Safety Glasses

- All Mag-Safe™ magnifying safety glasses meet or exceed ANSI Z87.
- ANSI Z87 requires wearing safety glasses under any style welding helmet.
- Diopters available: 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 2.75, 3.00



Part No. BF100

Bifocal Magnifiers

- Read small print.
- Saves money over prescription safety glasses.
- Improved performance.
- Increased productivity.



Part No. CC100

New Style Bifocal Magnifiers

Part No.	Diopter
CC100	1.00
CC150	1.50
CC200	2.00
CC250	2.50
CC300	3.00

Bifocal Magnifiers

Part No.	Diopter
BF100	1.00
BF125	1.25
BF150	1.50
BF175	1.75
BF200	2.00
BF225	2.25
BF250	2.50
BF275	2.75
BF300	3.00

Full Lens Magnifiers

Part No.	Diopter
MS100	1.00
MS125	1.25
MS150	1.50
MS175	1.75
MS200	2.00
MS225	2.25
MS250	2.50
MS275	2.75
MS300	3.00

Full Lens Magnifiers

- For use under welding helmet.
- Allows vision through entire viewing area of large welding filters.
- Eliminates distortion caused by flat magnifiers

Industrial Soft Frame Goggles

For protection against flying chips, particles, chemicals, etc. Ventilation provided by perforations in frame with thru-lens ventilation gives up to 40% more air flow.

- Polycarbonate lens in choice of frame and lens colors
- Elastic headband
- Meet Requirements of ANSI Z87.1



Part No. 932-1

Part No.	Frame	Lens
932-1	Perforated	Clear
932-1F	Perforated-fog less	Clear
932-3	Perforated	Green
932-4	Hooded vent	Clear
932-4F	Hooded vent-fogless	Clear
932-30	Chemical goggle	Clear

Goggle Headbands

- Top quality elastic headband.
- Multicolored design.
- Nickel plated positive lock installed on band.
- Sewn end tab (not stapled).
- Extra long life.



Part No. 932-70

Visors

Multi-Purpose Faceshields

The multi-purpose faceshield combines clear anti-fog window with a flip-down IR window, providing uninterrupted protection for various operations. The shield curves naturally to fit facial contours—ensuring reliable protection from splash, particles, and flying debris. Ratchet headgear suspension allows user to adjust size and tighten at the turn of a knob.

- FIRST EVER combination clear anti-fog window w/ Shade IR flip-up lens.
- UV absorbing polycarbonate windows.
- Supplied with a ratchet headgear providing a perfect fit every time.
- Meets ANSI Z87.1-2003 Standards.
- CUL Certified to meet CAN/CSA Z94.3 Standards.

Faceshield w/ Flip-Up Shade Shade 8 IR

- Only faceshield in the market that meets ANSI Z49.1 Standards for plasma cutting!

Part No. MPH-F8

Shade 6 IR and 5 IR

- FIRST EVER combination clear anti-fog window w/ an infrared shade flip-up lens for use in grinding, cutting and brazing.

Part No. MPH-F6- Shade 6 IR

Part No. MPH-F5- Shade 5 IR



Part No. MPH-F8

Clear Anti-Fog Faceshield

- Clear anti-fog window for grinding.
- Available with hardhat attachments.

Part No. MPH-CL



Universal Visor Crown and Ratchet Headgear

- Unique toggle design makes assembly quick and easy.
- ABS crown is balanced and lightweight.
- Extreme impact strength.
- Soft brow pad on headgear for all-day comfort.
- Supplied with a ratchet headgear provides a perfect fit every time.
- Meets ANSI Z87.1-2003 Standards.
- CUL Certified to meet CAN/CSA Z94.3 Standards.

Part No. UNI-RH



Aluminum Bound Polycarbonate Faceshield Window 8" x 15.5" x .040"

- Aluminum bound provides extra durability.
- Chemical splash resistant.
- Non-glare finish allows for high clarity.
- Extreme impact strength.

Part No. RV-AB

⚠ Caution: This product is NOT suitable for protection against x-rays, gamma rays, high energy particulate radiation, lasers or masers. You should inspect this faceshield frequently and immediately replace worn, pitted, scratched or damaged parts. You should give this caution to any user of this faceshield.

Face Shield Replacement Visors

All Comfort® Line replacement visors are made from the highest quality, optically clear material and are available in clear and dark green. This visor eliminates the guesswork in selecting the proper style, size and type. Comfort® Line has the capability and know-how to manufacture special visors and hood windows to fit almost any head gear, cap attachment and sandblaster hoods.

- Fits universal hole pattern.
- Meet ANSI Z87-1

Fits the following original equipment manufacturer's headgear

- Huntsman K, K-3, K-4, K-10, C, H, P, & HF.
- Glendale 5000 & 6100 series.
- American Optical H-15.
- Jackson 131, 170SB, 282, 137, 37, 382.
- Also all visors with the Universal hole pattern fit most headgears and cap attachments of Apex, Norton, Bullard, Eastern Safety.



Part No. 932-824BDG

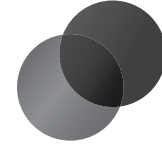
Part No.	Size	Color	Binding
932-804BCL	8" x 12" x .040"	Clear	Yes
932-804UCL			No
932-824BDG	8" x 12" x .040"	Dark green	Yes
932-824UDG			No
932-344BCL	9" x 15.5" x .040"	Clear	Yes
932-344UCL			No
932-354BLG	9" x 15.5" x .040"	Light green	Yes
932-364BDG	9" x 15.5" x .040"	Dark green	Yes
932-364UDG			No
Fibre Metal Replacement (only)			
932-4199UCL	9.75" x 19"	Clear	No
932-4199UG	9.75" x 19"	Dark green	No



2" x 4.25" filter plates



4.5" x 5.25" filter plates



50 mm filter lens

AWS Guide to Lens Shade Selection

Operation	Arc Current	Shade Minimum	Suggested Shade No.
Shielded Metal Arc Welding (SMAW)			
Less than 3/32" electrodes	Less than 60	7	-
3/32" to 5/32" electrodes	60 - 160	8	10
5/32 to 1/4" electrodes	160 - 250	10	12
More than 1/4" electrodes	250 - 550	11	14
Gas Metal Arc Welding / Flux Cored Arc Welding (GMAW)			
	Less than 60	7	-
	60 - 160	10	11
	160 - 250	10	12
	250 - 500	10	14
Gas Tungsten Arc Welding (GTAW)			
	Less than 50	8	10
	50 - 150	8	12
	150 - 500	10	14
Air Carbon Arc Cutting (CAC-A)			
Light	Less than 500	10	12
Heavy	500 - 1000	11	14
Plasma Arc Welding (PAW)			
	Less than 20	6	6 to 8
	20 - 100	8	10
	100 - 400	10	12
	400 - 800	11	14
Plasma Arc Cutting (PAC)			
	Less than 20	4	4
	20 - 40	5	5
	40 - 60	6	6
	60 - 80	8	8
	80 - 300	8	9
	300 - 400	9	12
	400 - 800	10	14
Torch Blazing (TB)	-	-	3 or 4
Torch Soldering (TS)	-	-	2
Carbon Arc Welding (CAW)	-	-	14

Application Suggestions Based on Plate Thickness

Operation	Plate Thickness		Suggested Shade No.
	Inches	mm	
Oxyfuel Gas Welding (OFW)			
Light	Under 1/8	Under 3	4 or 5
Medium	1/8 to 1/2	3 to 13	5 or 6
Heavy	Over 1/2	Over 13	6 or 8
Oxygen Cutting (OC)			
Light	Less than 1	Under 25	3 or 4
Medium	1 to 6	25 to 150	4 or 5
Heavy	Over 6	Over 150	5 or 6

Replacement Lens Chart

Part No.	Description	Shades
2" x 4.25" Filter Plates		
932-105	Hardened glass - fed. spec.	4 thru 14
932-106	Plastic - fed. spec.	5,6,8 thru 12
932-109	Gold plate - plastic - fed. spec.	8 thru 12
932-115	Metal kote silvered glass	8 thru 12, 14
4.5" x 5.25" Filter Plates		
932-107	Hardened glass - fed. spec.	4 thru 14
932-108	Irex - fed. spec.	9 thru 12
932-110	Gold plate - plastic - fed. spec.	8 thru 12
932-117	Metal kote silvered glass	8 thru 14
50 mm Filter Lens		
932-205	Hardened glass - fed. spec.	4 thru 6
2" x 4.25" Clear Cover Lens		
932-1440**	.060 poly carbonate cover plate	Clear
932-440** (932-940)*	Poly carbonate safety plate	Clear
932-740 (932-640)*	50% CR-39 clear plastic	Clear
932-840	100% CR-39 clear plastic	Clear
932-1140	Acrylic cover plate	Clear
4.5" x 5.25" Cover Lens		
932-442 (932-942)*	Poly carbonate safety plate	Clear
932-742 (932-642)*	50% CR-39 clear plastic	Clear
932-842	100% CR-39 clear plastic	Clear
932-1142	Acrylic cover plate	Clear
50 mm Cover Lens		
932-209	Poly carbonate	Clear
932-210	100% CR-39 clear plastic	Clear
Magnifier Lens		
932-145	Glass - specify focal power (0.75 thru 3.50)	Clear
932-146	Magna lens - plastic - specify focal power (0.75 thru 2.50)	Clear

* These Items Indicate Personalized Lenses

** Available in bulk.