

# Helmet Filter Specifications

## Auto-Darkening and Fixed Shade Helmets Filter Specifications

Part #	14213	14268	14269	14270
<b>ADF#</b>	N/A	ADF 810S	ADF 800S	ADF 820S
<b>Features</b>	Non Auto Darkening/Fixed Shade #10	Good/Variable Auto Dark 9-13	Better/Variable Expert Large Auto View Dark	Best/Variable Expert Pro Full View Auto Dark
<b>Optical Class</b>	—	1/1/1/2	1/1/1/2	1/2/1/1
<b>Viewing Area</b>	5.24" x 4.49" (133 x 114mm)	3.82" x 1.85" (97 x 47mm)	3.82" x 1.85" (97 x 47mm)	3.82" x 2.44" (97 x 62mm)
<b>Size of Cartridge</b>	5.24" x 4.49" (133 x 114 mm)	5.24" x 4.50" x .35" (133 x 114 x 9mm)	5.24" x 4.50" x .35" (133 x 114 x 9mm)	5.24" x 4.50" x .35" (133 x 114 x 9mm)
<b>Lens Shade</b>	Shade 10	9-13 Variable/Grinding Mode	9-13 Variable/Grinding Mode	9-13 Variable/Grinding Mode
<b>Light State</b>	—	Shade 3.5	Shade 3.5	Shade 3.5
<b>Shade Control</b>	—	Internal	Internal	Internal
<b>Sensors</b>	—	2	2	4
<b>On/Off</b>	—	Automatic	Automatic	Automatic
<b>Power Supply</b>	—	Solar Cell + Battery (Replacable)	Solar Cell + Battery (Replacable)	Solar Cell + Battery (Replacable)
<b>Switch Time</b>	—	1/25,000	1/25,000	1/25,000
<b>Sensitivity Control</b>	—	Adjust by infinity knob	Adjust by infinity dial knob	Adjust by infinity dial knob
<b>Delay Time (Dark to Light)</b>	—	0.35-0.45s	0.1-1.0s by infinity dial control knob	0.1-1.0s by infinity dial control knob
<b>Grind Mode</b>	—	Yes	Yes	Yes
<b>Low TIG Amps Rated</b>	—	>5 amps/DC; >5 amps/AC	>2 amps/DC; >2 amps/AC	>2 amps/DC; >2 amps/AC
<b>Operating Temperature</b>	-10°C - +55°C	-10°C - +55°C	-10°C - +55°C	-10°C - +100°C
<b>Storing Temperature</b>	-20°C - +70°C	-20°C - +70°C	-20°C - +70°C	-20°C - +100°C
<b>Packing</b>	4 Color Graphic Box	4 Color Graphic Box	4 Color Graphic Box	4 Color Graphic Box
<b>Application Range</b>	Stick Welding (DC & AC); Not for Grinding; Not for Laser Welding or Oxy Acetylene Welding/Cutting	Stick Welding (DC & AC); TIG (DC, DC Pulse); TIG AC (Pulse), Excellent low amperage TIG response, MIG/MAG; MIG/MAG Pulse; Plasma Cutting/Welding; Grinding; Not for Laser Welding or Oxy-Acetylene Welding/Cutting	Stick Welding (DC & AC); TIG (DC, DC Pulse); TIG AC (Pulse), Excellent low amperage TIG response, MIG/MAG; MIG/MAG Pulse; Plasma Cutting/Welding; Grinding; Oxy Acetylene Welding/Cutting; Not for Laser Welding.	Stick Welding (DC & AC); TIG (DC, DC Pulse); TIG AC (Pulse), Excellent low amperage TIG response, MIG/MAG; MIG/MAG Pulse; Plasma Cutting/Welding; Grinding; Not for Laser Welding or Oxy-Acetylene Welding/Cutting
<b>Standard</b>	ANSI Z87.1, CSA Z94.3 Approved	ANSI Z87.1, CSA Z94.3 Approved	ANSI Z87.1, CSA Z94.3 Approved	ANSI Z87.1, CSA Z94.3 Approved