



Welding Filters



9100 Passive



9002NC



9100X



9100XX



9100XXi



G5-01TW



G5-01VC



G5-02

Compatible helmets	9100, 9100 QR, 9100-Air, 9100 FX, 9100 FX-Air, 9100MP, M-407SG, M-409SG	9002NC	9100, 9100 QR, 9100-Air, 9100 FX, 9100 FX-Air, 9100MP, M-407SG, M-409SG			G5-01		G5-02
Approximate viewing area	73 × 107 mm (2.8" x 4.2")	54 × 107 mm (2.13" x 4.09")	54 × 107 mm (2.1" x 4.2")	73 × 107 mm (2.8" x 4.2")		73 × 109 mm (2.8" x 4.3")		76 × 150 mm (3" x 5.9")
3M™ Speedglas™ Natural Colour Technology		●			●	●	●	●
3M™ Speedglas™ Variable Colour Technology							●	
3M™ Speedglas™ Curved Glass Technology								●
3M™ Speedglas™ Tack Welding Comfort Mode			●	●		●		
External grinding mode control					Yes (only on 9100XXi kit: 06-0000-30i-KIT-CA)			
Number of sensors (arc detection)		2	3			4		
Dark state	10/11/12/13	Shades 8-12	Shades 5, 8, 9-13			Shade 8-13	Shade 8-14	Shade 8-12
Light state			Shade 3					Shade 2.5
UV/IR protection (permanent)	10/11/12/13	Shade 12	Shade 13				Shade 14	Shade 12
MMAW (electrode)	Good	Better	Best	Best	Best	Best	Best	Better
MIG/MAG	Good	Better	Best	Best	Best	Best	Best	Better
TIG (>20A)	Good	Better	Best	Best	Best	Best	Best	Best
TIG (1A-20A)	Good	Good	Better	Better	Better	Better	Better	Best
Plasma (welding and cutting)	Good	Good	Best	Best	Best	Best	Best	Best**
Risk for hidden arc	Good	Good	Better	Better	Better	Better	Better	Best
Tack welding	Good	Good	Best	Best	Better	Best	Better	Better
Grinding		Good	Better	Better	Best	Best*	Best*	
Switching time, dark-light		60-400 ms	40-1300 ms		40-800 ms	50-1300 ms		50-1000 ms
Switching time, light-dark			0.1 ms (+23°C)					
Auto ON					●	●	●	
Solar cell			●					
Battery lifetime (hours)		2000	2500	2000	1800	1500		
Approximate weight	146 g (0.32 lb)	155 g (0.34 lb)	183 g (0.40 lb)	204 g (0.44 lb)	204 g (0.44 lb)	182 g (0.40 lb)	206 g (0.45 lb)	206 g (0.45 lb)