

TECHNICAL DATA SHEET

CONTOUR XIV GREY HT FACE PROTECTION KIT



DESCRIPTION

A specialised Arc helmet kit providing European and US Arc face protection approval in combination with EN and ANSI helmet approvals.

The new Contour XIV Grey HT (Highly Transparent) screen is a higher calorie rated protective screen rated at ATPV 26cal/cm² according to NFPA ASTM 2178 and also GS-ET-29 Class 2.

The Contour Carrier is designed to provide close fitting face protection and a low profile when retracted up over the helmet.

The Nexus helmet is a modern, recreational styled safety helmet with 'micro peak' for optimum visibility. Includes premium Dry-Tech sweatband for maximum comfort, helping the wearer to stay cool and productive for longer.

KIT PRODUCT CODE AND CONTENTS

Kit Product Code	S25WR840
Screen	Contour XIV Grey HT Arc Face Screen
Carrier	Contour Carrier
Helmet	Nexus Wheel Ratchet Non-vented Helmet



SPECIFICATION: CONTOUR FACE SCREEN CARRIER

Product Codes and Options	Code	Connection Clip	To fit Accessory Slot	For use with	Material	Weight
	S55	S585	Euro	Nexus (Euro slot) helmet	Nylon	139g

SPECIFICATION: CONTOUR FACE SCREEN

Product Codes and Specification	Description	Code	Colour	Material	Screen Length (visible length when fitted)	For use with	Weight	Arc Visible Light Transmittance % and Class
	Contour XIV Grey HT Arc Class 2 and ATPV 26cal/cm ² face screen with chin protection	S840	Grey HT Screen and Chin Guard	Polycarbonate Screen and Chin Guard with anti fog coating	202mm Visible Length 249mm incl Chin Guard	Contour helmet mounted Carrier (S55)	223g	<50% Class 2 (<50%)

SPECIFICATION: HELMET

Product Codes and Helmet Options	Code	Option	Weight
	S16EWR	Wheel Ratchet Non-Vented	386gm
Size	52 - 64cm (with Premium 'Twist2Fit' Wheel Ratchet)		
Peak	Micro (20mm)		

MATERIALS: HELMET

Shell	ABS (Acrylonitrile-Butadiene-Styrene)
Cradle	6 Point Terylene webbing
Headband	LDPE (Low Density Polyethylene)
Sweatband	Dry-Tech (Polyester)
Wheel Ratchet	Acetal with HDPE Straps, Black Foam 3mm

COLOUR: HELMET

	White
Colour Code	W
RAL	9010
Pantone	White

Please note: the closest matching RAL colour is listed.

APPLICATIONS

Applications for Face Screen	Applications						
	Drilling/Milling	Grinding	Welding (filters for personal eye-protection equipment used in welding and similar operations)	Welding (Welding and braze welding of heavy metals. Welding with emissive fluxes (notably light allows) Oxygen cutting)	Inorganic Chemicals	Organic Chemicals	Live Electrical Working
S840	✓	✓					✓

EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS - CONTOUR FACE SCREEN

Product Code	EN 166:2001: Personal Eye Protection			EN 169: 2002	EN 170: 2002	GS-ET-29 Rev 1 Supplementary requirements for the testing and certification of face shields for electrical works	ANSI/ISEA Z87.1 2010 American National Standard for Occupational and Educational Personal Eye and Face Protection Devices	ATPV rating according to NFPA 70E ASTM 2178									
	F - Low Energy Impact	B - Medium Energy Impact	A - High Energy Impact	1 - Optical Class	3 - Liquid droplets	9 - Molten Metal Splash	T - High Speed Particles at extremes of temperature	8 - Electric Arc	Scale Number 3	Scale Number 5	2C-1,2 with improved colour recognition	2C-1,7 with improved colour recognition and UV protection level / VLT of >=43.2% <=68.1%	Class 1 4 kA (3.2 cal/cm ²)	Class 2 7 kA (10.1 cal/cm ²)	Z87.1	Z87.1+ (Impact Rated)	Z87.1+S (Impact Rated and Special Purpose Lens)
S840	✓		✓	✓			✓					✓	✓			✓	✓

EUROPEAN AND INTERNATIONAL STANDARDS WITH OPTIONS - HELMET

Product	EN 397:2012 + A1:2012			Options outside the scope of EN 397		ANSI/ISEA Z89.1-2014 Type 1	Options outside the scope of ANSI/ISEA	CSA/ CAN Z94.1-05 Type 1		Tested to the performance requirements of AS/NZS 1801:1997 Type 1				
	Lateral Deformation (LD)	- 30°C (Low Temperature)	Molten Metal (MM)	440V a.c. (Electrical Resistance)	1000V a.c. (Electrical Resistance)			- 40°C (Low Temperature)	EN 50365:2002 (1000V a.c.) For use on low voltage insulations		Class C (Conductive 0V a.c.)	Class E (20,000V a.c.)	- 30°C (Low Temperature)	- 40°C (Low Temperature)
Wheel Ratchet Non-Vented S16EWR	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓

HELMET ACCESSORIES

Ear	Scala range of helmet mounted Ear Defenders (supplied with Euro accessory clips) - Scala X: SNR - 25dB, Scala XI: SNR - 30dB
Stickers	High Intensity Reflective Sticker sets available bespoke for the Nexus helmet and available in a range of colours. Material meets the specification requirements of EN 12899-Ra2. Not fitted as standard.
Sweatband	Dry-Tech sweatband
Cradle/headband	Terylene Cradle with Wheel Ratchet Headband and Dry-Tech Sweatband
HeightMaster Chinstrap	Replaceable 4 point adjustable EN 12492 Grey Chinstrap combined with the HeightMaster Liner to convert helmet to EN 12492 approved helmet
HeightMaster Liner	Replaceable Liner combined with the EN 12492 Grey Chinstrap to convert helmet to EN 12492 approved helmet

PACKAGING AND MAINTENANCE

Packaging	1 kit per box, box size: 290mm x 176mm x 225mm, weight 0.8kg
Storage	The Arc screen system can be stored at -10°C to + 45°C. It may be stored in the dark for up to 5 years. It should be stored and transported in its original packaging. Storage in direct sunlight, extremes of temperature and in a fashion that is liable to distort is not recommended
Lifetime	The Contour XIV Grey HT Arc screen has an in-use life of up to 10 years The Centurion helmet and Contour Carrier has an in-use life of up to 5 years Excessive wear and tear can considerably reduce the lifespan of the product
Cleaning	Clean using warm soapy water and soft cloth. Care must be taken to avoid scratching
Disposal	Recycling is preferred when possible. Look out for the recycling symbol for material category
Warning	Do not place the Arc screen next to a heat source. Do not use the screen for electric arc welding exposures. Carefully read the users manual to ensure correct operation