

MARKING

According to German Institute for Standardization, DIN

Identical and permanent markings on lenses and frames show that these safety goggles are in compliance with European Standard 166. The corresponding certification of the materials used is carried out at regular intervals by an independent testing institute and guarantees quality and durability for the various working areas.

IMPORTANCE OF LENS MARKING IN DETAIL

Mechanical strength:

- S Increased strength
- F Shockproof, low energy
- B Shockproof, medium energy

Additional requirements:

- 3 Resistance to liquids (drops, splashes)
- 4 Resistance to coarse dust (grain size > 5 µm)
- T Mechanical strength tested at extreme temperatures (+ 50 °C and -5 °C).
This marking is always combined with the mechanical strength (e.g. FT).

Filter category:

- 2-3 Ultraviolet (UV)
- 4 Infrared (IR)
- 5-6 Sun protection filter
- 1.7-7 Welding filter
 - 1.7 Welding assistant
 - 3-5 Welding soldering
 - 5-7 Autogenous cutting
 - >7 Electric welding

The identification overview of our products can be found at the end of this chapter.

We would like to point out that existing lenses must not be changed, otherwise the certification as a protection goggles will be voided.





Plano metal safety goggles

- ProGrip anti-slip temple tips for a secure grip
- Side protection made of shatterproof polycarbonate (except Panto model with side protection made of metal mesh)
- Titanium frame for allergy sufferers (**item no. 120 8106 9729 21, 120 8108 9729 31**)



Chicago (HMR)

- Large field of vision
- Ideal shape for tinted lenses, e.g. when working outdoors
- Folding side protection made of acetate with interwoven metal mesh



Black

121 2407 9718 01 (Large)
121 2404 9718 11 (Medium)
121 2401 9718 21 (Small)



Silver

121 2408 9718 02 (Large)
121 2405 9718 12 (Medium)
121 2402 9718 22 (Small)



Blue

121 2409 9718 03 (Large)
121 2406 9718 13 (Medium)
121 2403 9718 23 (Small)



Large

52 mm 48 mm 24 mm 140 mm 37 g

Medium

50 mm 46 mm 24 mm 140 mm 37 g

Small

48 mm 44 mm 24 mm 140 mm 37 g



Houston (21)

- For small heads



Gold

121 2417 9721 01 (Large)



Blue

121 2414 9721 11 (Small)



Antique gold

121 2415 (Large)

121 2412 (Small)



Gold/Brown

121 2416 (Large)

121 2413 (Small)



Large

47 mm

43 mm

21 mm

140 mm

36 g

Small

45 mm

41 mm

21 mm

140 mm

36 g



Seattle (22)

- Classic frame with double bridge
- Large field of vision, ideal for multifocal lenses



Gold

121 2419 9722 11



Silver

121 2418 9722 12



Gold/Brown

121 2420



54 mm

42 mm

18 mm

140 mm

40 g



Dallas (37)

- Centre piece made of hypoallergenic TR90 material
- Stainless steel temples
- Suitable for everyday use as side protection is removable
- Suitable for the food industry



Black matte

121 2475 (Large)
121 2469 (Small)



Blue matte

121 2476 (Large)
121 2470 (Small)



Red matte

121 2479 (Large)
121 2473 (Small)



Brown matte

121 2477 (Large)
121 2471 (Small)



Grey matte

121 2478 (Large)
121 2472 (Small)



Transparent matte

121 2480 (Large)
121 2474 (Small)



Large

50 mm

41 mm

22 mm

150 mm

31 g

Small

48 mm

39 mm

22 mm

140 mm

31 g



Miami (23)

- Wide range of colours



Antique silver

121 2428 9723 01 (Large)

121 2424 9723 14 (Small)



Gold

121 2431 9723 02 (Large)



Gold/Brown

121 2430 (Large)

121 2426 (Small)



Brown

121 2427 9723 11 (Small)



Blue

121 2429 9723 03 (Large)

121 2425 9723 13 (Small)



Large

51 mm

39 mm

20 mm

140 mm

26 g

Small

47 mm

35 mm

20 mm

140 mm

26 g



Atlanta (HCR)

- Frame made of durable cellulose propionate



Transparent

121 2400 9719 01



53 mm

38 mm

15 mm

145 mm

36 g



Boston (29) – made of spring steel

- Made of corrosion-resistant spring steel



Blue

121 2445 9729 01 (Large)

121 2441 (Small)



Red

121 2446 (Large)

121 2442 (Small)



Antique silver

121 2444 (Large)

121 2440 9729 11 (Small)



Large

53 mm

34 mm

19 mm

140 mm

27 g

Small

49 mm

34 mm

19 mm

135 mm

27 g



Boston (29T) – made of Titanium

- Especially suitable for allergy sufferers



Suitable for allergy sufferers

Antique silver

121 2447 9729 21 (Large)

121 2443 9729 31 (Small)



Large

53 mm

34 mm

19 mm

140 mm

19 g

Small

49 mm

34 mm

19 mm

135 mm

19 g



Universal Single shield goggles

- Stylish convex design
- Lenses with hard coating
- Lens: polycarbonate, transparent or grey tinting

Honeywell Phoenix

- Budget basic model
- Anti slip temples



Transparent

120 7672 9401 00



140 mm



43 mm



16 mm



125 mm



22 g

Honeywell Detroit

- Temples adjustable in length and inclination
- Comfortable strap bridge, individually adjustable



Black grey
(75% tint)

120 7674 9403 06



160 mm



53 mm



12 mm



105-120 mm



30 g

Honeywell Austin

- Temples adjustable in length and inclination
- Comfortable nose bridge for perfect fit
- With anti-fog coating



Replacement
lenses

Blue

120 7675 9407 00

Spare transparent lens

120 7677 9407 01



140 mm



57 mm



12 mm



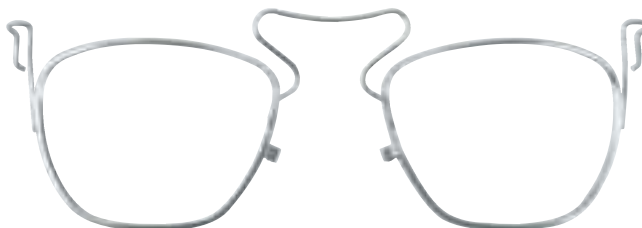
100–113 mm



36 g

Honeywell Metal clip – glazable from ± 4.00 dpt. with cyl. + 2.00 dpt.

- Suitable for no. **120 7675 9407 00**
- Easy fitting with a secure fixation
- Flexible metal frame
- Includes cloth bag



120 7678 9407 05



46 mm



33 mm



20 mm



5,5 g



This metal clip is glazeable with all kinds of lens materials and from any optician, because the certified safety goggle remains unchanged.



Nashville

- Ventilation space between lens and rim enables air circulation and avoids steamed up lenses
- Soft padded upper frame rim gives more comfort during wear.



Blue grey
120 8051 9626 00



133 mm



42 mm



14 mm



125 mm



31 g



Honolulu

- Aspherical lenses
- Temples adjustable in length and inclination



Black
120 7683 9412 00



140 mm



44 mm



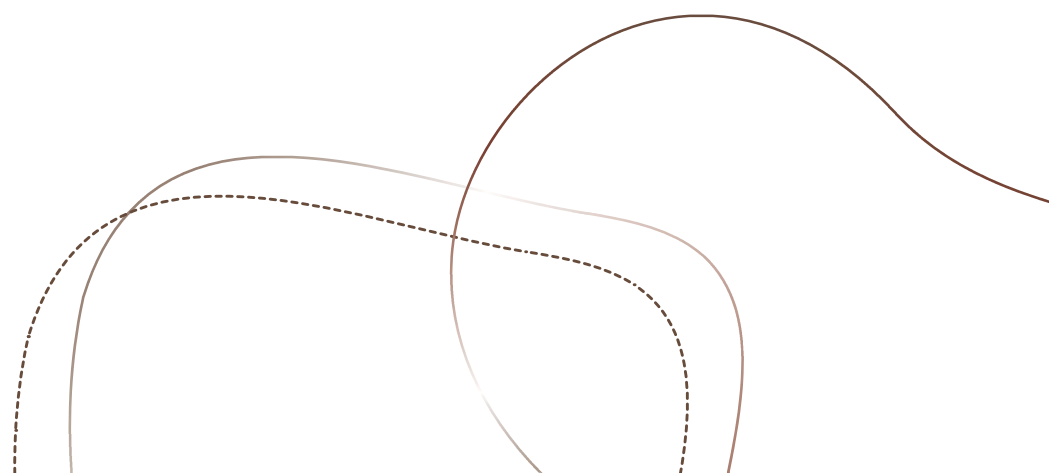
16 mm



115-130 mm



27 g





Universal Protection goggles

- Lenses with hard coating
- Lenses: polycarbonate, transparent
- Side protection made from polyamide

Honeywell Denver

- Temples with metal insert, adjustable
- Opening on temple ends for a spectacle band
- Integrated, transparent top and side protection



Blue transparent
120 8035 9610 00



54 mm



44 mm



16 mm



140 mm



34 g



Portland

- Temples adjustable in length and inclination
- Integrated, transparent top and side protection



Transparent
120 8052 9627 00



58 mm



41 mm



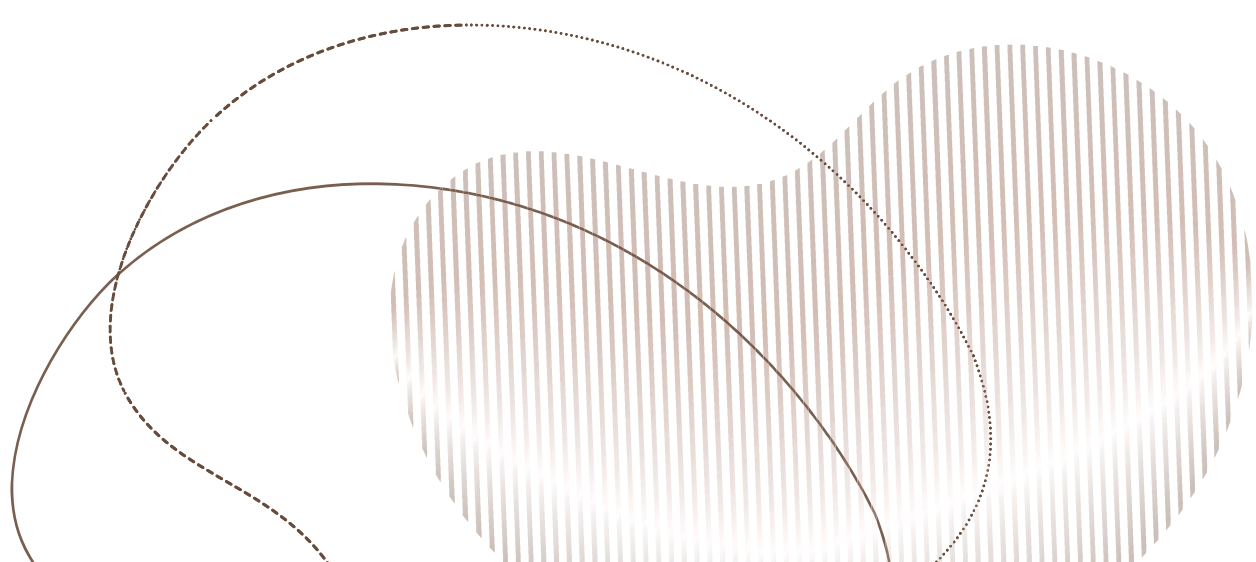
17 mm



130 -143 mm



31 g





Baltimore

- Stylish convex design with wide temple



Petrol matte
130 7141

Transparent matte
120 8043 9621 00

Grey matte
120 8044 9621 01



60 mm



39 mm



15 mm



125 mm



30 g



Fresno



Gun matte
120 8046 9622 01



Black matte
120 8045 9622 00



57 mm



39 mm



13 mm



145 mm



38 g



Milwaukee



Gun
120 8048 9623 01



Silver
120 8047 9623 00



57 mm



39 mm



13 mm



145 mm



39 g








Pittsburgh



Gun

- 120 8038 9615 02 (Large)
- 120 8037 9615 01 (Medium)
- 120 8036 9615 00 (Small)

					
Large	59 mm	45 mm	17 mm	140 mm	36 g
Medium	56 mm	41 mm	17 mm	140 mm	36 g
Small	54 mm	39 mm	17 mm	140 mm	36 g








Glendale



Gun

- 120 8040 9616 01 (Large)
- 120 8039 9616 00 (Small)

					
Large	56 mm	38 mm	18 mm	140 mm	35 g
Small	53 mm	35 mm	18 mm	140 mm	35 g








Toledo



Gun

- 120 8042 9617 01 (Large)
- 120 8041 9617 00 (Small)

					
Large	56 mm	42 mm	18 mm	140 mm	36 g
Small	53 mm	39 mm	17 mm	140 mm	36 g



Visitor and welding goggles

Honeywell Cleveland

- Suitable to wear over corrective spectacles
- Integrated top and side protection, covers the entire eye area
- Punched earpiece for fastening spectacle strap
- Lenses with hard coating
- Lens: polycarbonate, transparent



Transparent
120 7800 9448 11



160 mm



54 mm



16 mm



125 mm



40 g



Buffalo

- Suitable to wear over personal corrective spectacles
- Individual adjustable temple lengths
- Inclination of the protective lens are individually adjustable
- Soft padded rim protects against foreign objects from above
- Special soft padding on the temple protects against side impacts
- Lens: polycarbonate with hard coating, green

Protection level 5



Black
130 2773



154 mm



54 mm



145–153



44 g



Oakland

- Indirect ventilation slits
- Elastic, adjustable head band
- Lenses: Glare Shield: Athermal-Welding protection lenses (98% absorption)

Protection level 5



Yellow/Green

120 7763 9437 10



46 mm



16 mm



135 g



Orlando

- Suitable to wear over corrective spectacles
- Resistant against penetration of hot particulate materials, coarse dust or drops and splashes
- Soft frame for a perfect, individual fit
- Flexible, extra width adjustable head band
- Lenses with hard and anti-fog coating
- Lens: polycarbonate, transparent



Grey

120 7801 9450 10



160 mm



75 mm



20 mm



136 g



Metal clip – glazable from +/- 4.00 dpt. with cyl. 2.00 dpt.

- Suitable for no. **120 7801** 9450 10
- Easy fitting with a secure fixation



This metal clip is glazable with all kinds of lens materials and from any optician, because the certified safety goggle remains unchanged.

120 7803 9450 12



49 mm



33 mm



22 mm



13 g



Safety Clip-on – flip up

- To clip onto the prescription frames
- Lenses with hard coating



Lenses:
polycarbonate, transparent

120 7686 9418 10



Lenses:
polycarbonate, green tinting
(98% absorption)

120 7742 9430 20

Protection level 5



62 mm



54 mm



14 mm



20 g



Side protection *Universal*

- For almost all temples on metal or plastic frames
- Polycarbonate
- Fixation by means of a rubber mounting band

Protection – against optical radiation and mechanical influences

- Temple support: 12 mm
- Eye rim support: 7 mm
- Max. frame height: 40 mm



 1 pair

Transparent

120 1676 1315 02



 1 pair

Grey transparent

120 1678 1315 11



 1 pair

Transparent

120 1675 1309 02



 1 pair

Grey transparent

120 1674 1309 01

Protection – for thin temples

- Temple support: 8 mm
- Eye rim support: 5 mm
- Max. frame height: 30 mm

Protection – made of medical polymer, flexible adjustment

- Temple support: 9 mm
- Eye rim support: 7 mm
- Max. frame height: 43 mm

Flexible



 1 pair

Transparent

120 1672 1308 00



 1 pair

Grey

120 1673 1308 01



Side protection
Against optical radiation

- Leather with adjustable metal rim

Protection – for round frame shapes

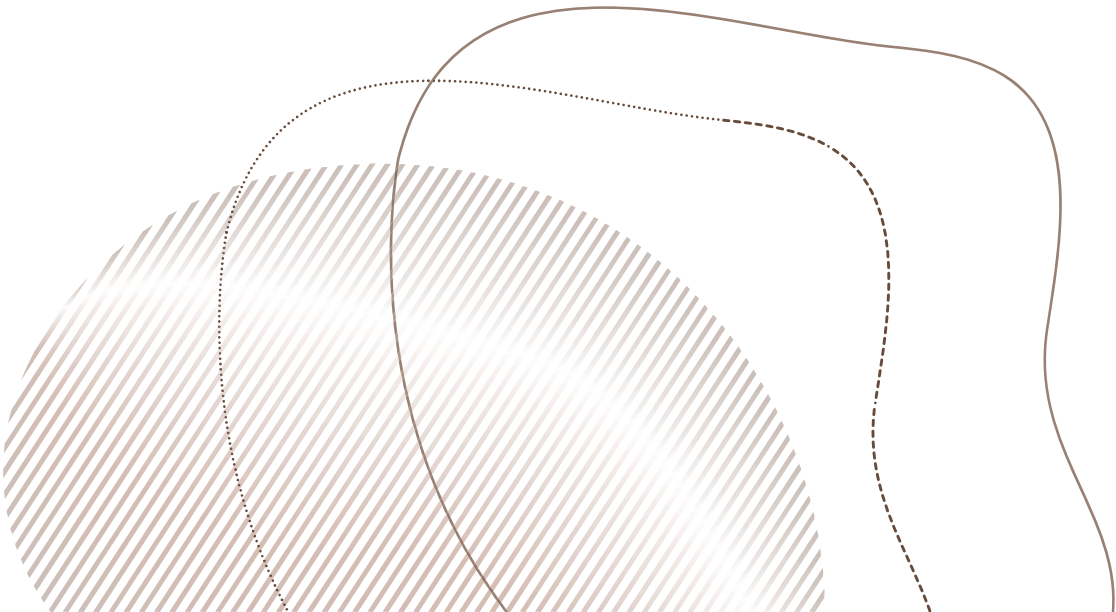
- To clip onto the eye rim
- Temple loop: 16 mm
- Eye rim support: 2.5 mm



 1 pair

Black

120 1671 1304 02





Side protection
Made from different materials

- Adjustable to almost every frame shape

Protection made of soft synthetic leather – with flexible metal insert

- Temple support: 10 mm
- Temple support at the front: 16 mm



*The silicone side protection
 Art. No. **120 1679 1316 00** and
120 1680 1316 10 can be found
 in the Workshop catalogue 24/25
 in chapter D.*

1 pair

Brown
120 1670 1303 15

Protection – for thin temples

- Semi flexible plastic (CA)
- Temple support: 4 mm



1 pair

Transparent
120 7953 9480 03



1 pair

Brown
120 7954 9480 10



Nose protection

Against optical radiation and slight mechanical influences

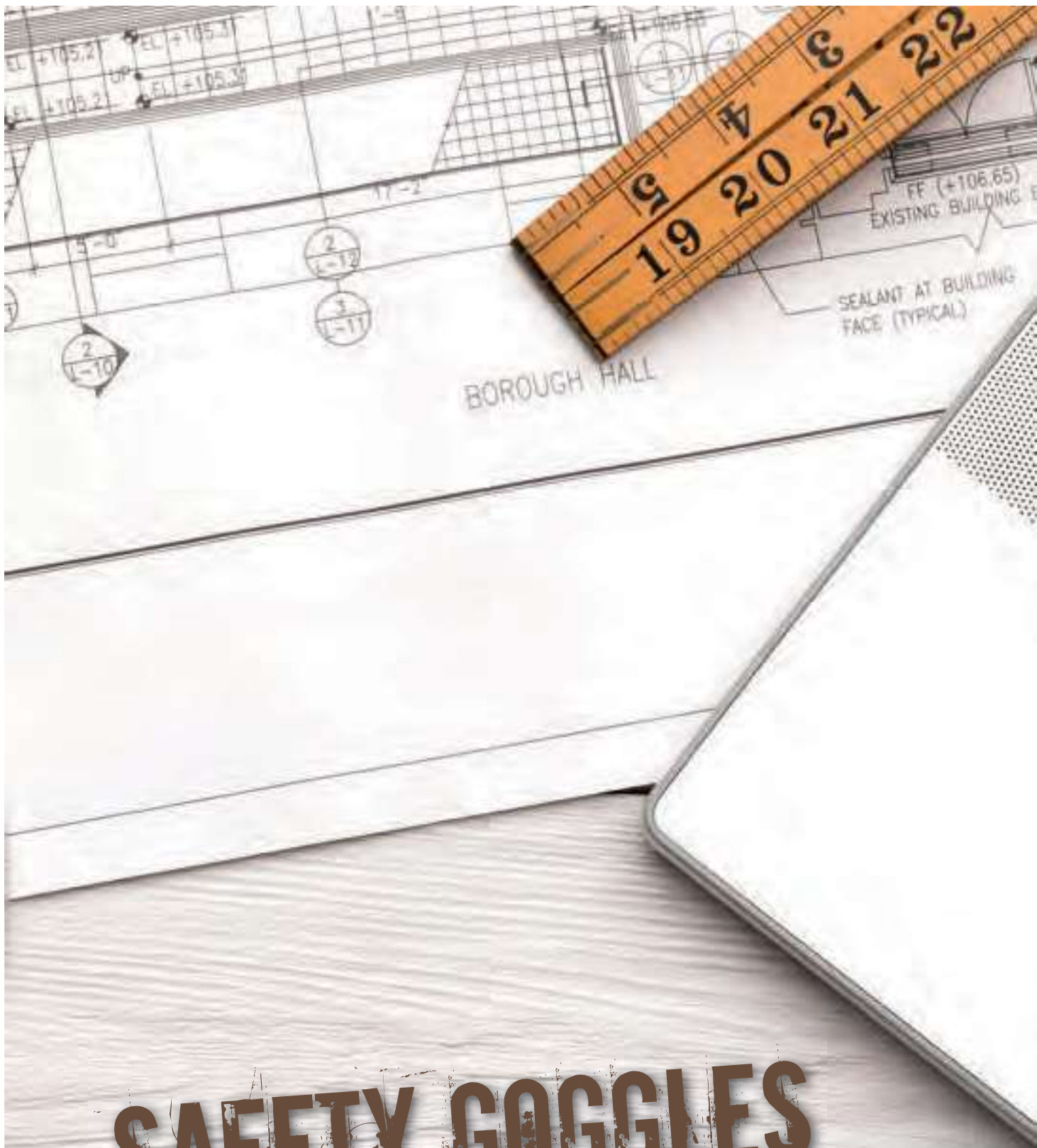
- Soft Kevlar
- With long loop and Velcro fastener suitable for every frame
- Individual fitting by adjustable metal clamp



Beige
120 1682 1330 02



Black
120 1681 1330 01



SAFETY GOGGLES

Marking on frames and lenses

Safety goggles

Marking on frames and lenses

Page	Model	Frame material	Size (mm)	Weight	Frame marking	Lens marking	Application range of safety goggles with plano lenses				
							Visitor goggles	Generally	Food industry	Laboratory	Welding
3	Chicago	Metal	48-24 50-24 52-24	37 g	Proteye BS EN 166 F CE	1S	X	X			
4	Houston	Metal	45-21 47-21	36 g	Proteye BS EN 166 F CE	1S		X			
4	Seattle	Metal	54-18	40 g	Proteye BS EN 166 F CE	1S		X			
5	Dallas	Metal/ Plastic	48-22 50-22	31 g	Proteye BS EN 166 F CE	1S		X	X		
6	Miami	Metal	47-20 51-20	26 g 26 g	Proteye BS EN 166 F CE	1S		X			
6	Atlanta	Plastic	53-15	36 g	Proteye BS EN 166 F CE	1S		X	X		
7	Boston	Metal or titanium	49-19 53-19	27 g 27 g	Proteye BS EN 166 F CE	1S		X			
8	Phoenix	Plastic	140-16	22 g	B-D 166 F CE	2C1,2 B-D 1 F CE		X			
8	Detroit	Plastic	160-12	30 g	D 166 F CE	5-2,5 D 1 F		X			
9	Austin	Plastic	140-12	36 g	B-D 166 F T CE	2C-1,2 B-D 1 F T		X			
10	Nashville	Plastic	133-14	31 g	GA 166 F CE	2C-1,2 GA 1 F N CE		X			
10	Honolulu	Plastic	140-16	27 g	GA 166 F CE	2C-1,2 GA 1 F K CE		X			
11	Denver	Plastic	54-16	34 g	B-D 166 F CE	2C-1,2 B-D 1 F CE		X			
12	Portland	Plastic	58-17	31 g	GA 166 F CE	2C-1,2 GA 1 F K CE		X			
13	Baltimore	Plastic	60-15	30 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
13	Fresno	Metal	57-13	38 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
13	Milwaukee	Metal	57-13	39 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
14	Pittsburgh	Metal	54-17 56-17 59-17	36 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
14	Glendale	Metal	53-18 56-18	35 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
14	Toledo	Metal	53-17 56-18	36 g	BS EN 166 S CE	2C-1,2 BS 1 S CE		X			
15	Cleveland	Plastic	160-16	40 g	D 166 F CE	2C1,2 B-D 1 F CE	X	X			
15	Buffalo	Plastic	154	44 g	GA 166 F T CE	5 GA 1 F T K CE					X
16	Oakland	Plastic	46-16	135 g	GSF 166 34 CE	MG 1 S CE und 5 SCS 1 CE					X
16	Orlando	Plastic	160-20	136 g	GA 166 BT 3 4 9 CE	2C-1,2 GA 1 BT 9 N CE				X	
17	120 7686	Metal	62-14	20 g	-	2-1,2 GA 1 F CE					
17	120 7742	Metal	62-14	20 g	-	5 GA 1 F K CE					X