

BLOUSON: HB-4welders®
presented by Armin Brückmann,
IP Engineer



HEAT, FLAME & SPLASHES

Sweltering heat, glowing sparks – working with fire or molten metals requires outstanding protection. HB products found in the Heat, Flame & Splashes category set high standards and offer the best possible safety both in contact with flames and sparks as well as with general heat effects. It also offers high wearer comfort.

HEAT, FLAME
& SPLASHES

PROBAN®

Mainly perfect for classical welding work – the patented PROBAN® cotton is particularly strong and made with a unique FR equipment. It provides welders with reliable protection against heat, sparks and welding splatters. HB offers three fabric weights with a welding protection according to DIN EN ISO 11611 up to class 2 A1.











Closure band with snap fasteners covered on both sides



JACKET

Single-coloured • turn-down collar • closure band with snap fasteners on both sides • 1 front pocket on the left and 2 side pockets, each reinforced with flap and covered snap fastener • 1 inner front pocket on the right • sleeve hem width adjustable via covered inner snap fasteners • embroidered flame-retardant Standard pictograms on the front.

Sleeve hem width can be adjusted via inner covered snap fasteners

| | | | |
|--------------------|--|---|---|
| Part number | 01025 16003 000 52 |  |  |
| Garment weight | approx. 615 g | DIN EN ISO 11611 | DIN EN ISO 11612 |
| Colour | ● medium grey | Class 1 A1 | A1/B1/C1 |
| Fabric weight | approx. 320 g/m² | | |
| Part number | 01096 16011 000 41 |  |  |
| Garment weight | approx. 790 g | DIN EN ISO 11611 | DIN EN ISO 11612 |
| Colour | ● royal | Class 2 A1 | A1/B1/C1 |
| Fabric weight | approx. 360 g/m² | | |
| Part number | 01095 16004 000 52 |  |  |
| Garment weight | approx. 895 g | DIN EN ISO 11611 | DIN EN ISO 11612 |
| Colour | ● medium grey | Class 2 A1 | A1/B1/C1 |
| Fabric weight | approx. 460 g/m² | | |
| Regular sizes | 46-58 & 94-110 | | |
| Secondary sizes | 44, 60-64, 24-29 | | |
| Wearing comfort |  | | |
| Industrial laundry |  | | |

MATERIAL
PROBAN® //
100% COTTON

FABRIC WEIGHT

approx. 320 g/m²
approx. 360 g/m²
approx. 460 g/m²

FIELDS OF APPLICATION

Public services, steel works, metalworking, welding

Added waistband with 7 loops



Attached ruler pocket



TROUSERS

Single-coloured • added waistband with covered buttoning • covered button fly • 2 slant pockets • 1 hip pocket on the right with flap and covered snap fastener and 1 ruler pocket on the right, each reinforced.

Part number **01025 26001 000 52**

Garment weight **approx. 620 g**

Colour medium grey

Fabric weight **approx. 320 g/m²**



DIN EN ISO 11611 Class 1 A1
DIN EN ISO 11612 A1/B1/C1

Part number **01096 26008 000 41**

Garment weight **approx. 770 g**

Colour royal

Fabric weight **approx. 360 g/m²**



DIN EN ISO 11611 Class 2 A1
DIN EN ISO 11612 A1/B1/C1

Part number **01095 26003 000 52**

Garment weight **approx. 905 g**

Colour medium grey

Fabric weight **approx. 460 g/m²**



DIN EN ISO 11611 Class 2 A1
DIN EN ISO 11612 A1/B1/C1

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Wearing comfort

Industrial laundry

Stretch braces with clamp-on clips



Side accesses with buttoning



DUNGAREES

Single-coloured • stretch braces with clamp-on clips • straight kidney protection • 1 bib pocket and 1 reinforced hip pocket on the right, each with flap and covered snap fastener • covered button fly • 2 side seam pockets and 1 ruler pocket on the right, each reinforced.

Part number **01025 56000 000 52**

Garment weight **approx. 745 g**

Colour medium grey

Fabric weight **approx. 320 g/m²**



DIN EN ISO 11611 Class 1 A1
DIN EN ISO 11612 A1/B1/C1

Part number **01096 56007 000 41**

Garment weight **approx. 960 g**

Colour royal

Fabric weight **approx. 360 g/m²**



DIN EN ISO 11611 Class 2 A1
DIN EN ISO 11612 A1/B1/C1

Part number **01095 56001 000 52**

Garment weight **approx. 1,105 g**

Colour medium grey

Fabric weight **approx. 460 g/m²**



DIN EN ISO 11611 Class 2 A1
DIN EN ISO 11612 A1/B1/C1

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Wearing comfort

Industrial laundry

HEAT, FLAME & SPLASHES







SECAN®

SECAN® welder protection is perfectly suited for flame-exposed work as well as handling of liquid metals. SECAN® is offered in two weights: welding protection according to DIN EN ISO 11611 class 1, and with the higher weight, class 2. Low-flammable (up to approx. 50 Industrial washings).









JACKET

Single-coloured • turn-down collar • closure band with snap fasteners covered on both sides • 1 front pocket on the left with flap and covered snap fastener • 2 side pockets with flap (Blue: with piping) and covered inner buttons • 1 inner front pocket on the right • sleeve hem with inward-covered snap fasteners • Standards pictograms as direct embroidery on the front.

| | | | |
|--------------------|--|---|---|
| Part number | 01021 10003 000 417 |  |  |
| Garment weight | approx. 705 g | | |
| Colour | ● bugatti blue | | |
| Fabric weight | approx. 320 g/m² | | |
| Part number | 01022 10003 002 52 |  |  |
| Garment weight | approx. 740 g | | |
| Colour | ● medium grey | | |
| Fabric weight | approx. 360 g/m² | | |
| Regular sizes | 46-58 & 94-110 | | |
| Secondary sizes | 44, 60-64, 24-29 | | |
| Wearing comfort |  | | |
| Industrial laundry |  no dryer | | |

TROUSERS

Single-coloured • added waistband with covered buttoning • covered button fly • 2 side seam pockets • 1 hip pocket on the right and 1 ruler pocket on the right, each with flap and covered snap fastener.

| | | | |
|--------------------|---|---|---|
| Part number | 01021 20003 000 417 |  |  |
| Garment weight | approx. 695 g | | |
| Colour | ● bugatti blue | | |
| Fabric weight | approx. 320 g/m² | | |
| Part number | 01022 20003 000 52 |  |  |
| Garment weight | approx. 700 g | | |
| Colour | ● medium grey | | |
| Fabric weight | approx. 360 g/m² | | |
| Regular sizes | 46-58 & 94-110 | | |
| Secondary sizes | 44, 60-64, 24-29 | | |
| Wearing comfort |  | | |
| Industrial laundry |  no dryer | | |

MATERIAL SECAN® //

100% COTTON



FABRIC WEIGHT

approx. 320 g/m²
approx. 360 g/m²

FIELDS OF
APPLICATION

Steel works, metalworking, public services,
welding



HEAT, FLAME
& SPLASHES

OVERALL

Single-coloured • turn-down collar • closure band with covered snap fasteners on both sides • 1 front pocket on the left and 1 ruler pocket on the right – each with flap and covered snap fastener, 1 inner front pocket on the right and 2 side pockets with piping and integrated pass-through – each with flap and covered snap fastener • sleeve hem width adjustable with inward-covered snap fasteners.

Part number **01021 30014 005 417**

Garment weight **approx. 1,245 g**

Colour **bugatti blue**

Fabric weight **approx. 320 g/m²**

Part number **01022 30014 005 52**

Garment weight **approx. 1,355 g**

Colour **medium grey**

Fabric weight **approx. 360 g/m²**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Wearing comfort

Industrial laundry no dryer



DIN EN ISO 11611
Class 1 A1+A2



DIN EN ISO 11612
A1+A2/B1/C1/E1/F1



DIN EN ISO 11611
Class 2 A1+A2



DIN EN ISO 11612
A1+A2/B1/C1/E2

DUNGAREES

Single-coloured • stretch braces with clamp-on clips • straight kidney protection • 1 inner bib pocket with snap fastener • 2 side seam pockets with covered snap fastener • 1 ruler pocket on the right with flap and covered snap fastener • 1 side access on the left and fly, each with buttons. (for medium grey version: inner bib pocket is replaced by 1 outer bib pocket with flap and covered snap fastener).

Part number **01021 50002 000 417**

Garment weight **approx. 740 g**

Colour **bugatti blue**

Fabric weight **approx. 320 g/m²**

Part number **01022 50002 002 52**

Garment weight **approx. 810 g**

Colour **medium grey**

Fabric weight **approx. 360 g/m²**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Wearing comfort

Industrial laundry no dryer



DIN EN ISO 11611
Class 1 A1+A2



DIN EN ISO 11612
A1+A2/B1/C1/E1/F1



DIN EN ISO 11611
Class 2 A1+A2




DIN EN ISO 11612
A1+A2/B1/C1/E2

SECAN® PLUS

Proven welder protection class 2 with additional comfort: SECAN® PLUS provides high thermal protection and protection against liquid metal splashes, combined with high wearing comfort by roughened inner surface. SECAN® PLUS is also suited for fire-exposed work. Up to approx. 50 Industrial washings, the material is hardly inflammable.



 Standards pictograms as direct embroidery



Adjustable sleeve hem

JACKET

Single-coloured • turn-down collar • closure band with snap fasteners covered on both sides • 1 inner front pocket on the right • 1 front pocket on the left and 2 side pockets – each with flap and covered snap fasteners • sleeve hem width adjustable via inside covered snap fasteners • Standards pictograms as direct embroidery on the front.

Part number **01019 10003 003 52**

Garment weight **approx. 850 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour  medium grey

Wearing comfort 

Industrial laundry 

Standards



DIN EN ISO 11611
Class 2 A1+A2



DIN EN ISO 11612
A1+A2/B1C1/E2/F1

MATERIAL
SECAN® PLUS //

100% COTTON



FABRIC WEIGHT
FIELDS OF APPLICATION

approx. 420 g/m²
Steel works, public services, metalworking, welders, liquid metals

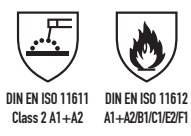


HEAT, FLAME & SPLASHES

TROUSERS

Single-coloured • added waistband with covered buttoning • covered button fly • 2 side seam pockets • 1 hip pocket on the right and 1 ruler pocket on the right – each with flap and covered snap fastener.

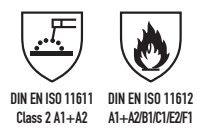
| | |
|--------------------|---------------------------|
| Part number | 01019 20003 001 52 |
| Garment weight | approx. 790 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | ● medium grey |
| Wearing comfort | ☀️ |
| Industrial laundry | 🧼🧺 |



DUNGAREES

Single-coloured • stretch braces with clamp-on clips • straight kidney protection • 1 outer bib pocket with flap and covered snap fastener • side access on the left and fly, each with buttoning • 2 side seam pockets with covered snap fastener • 1 hip pocket on the right and 1 ruler pocket on the right, each with flap and covered Velcro fastener.

| | |
|--------------------|---------------------------|
| Part number | 01019 50002 005 52 |
| Garment weight | approx. 935 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | ● medium grey |
| Wearing comfort | ☀️ |
| Industrial laundry | 🧼🧺 |



SECAN® SECURO



The heavy and robust welder protection fabric provides antistatic properties plus electric arc protection. It is perfectly suited for EX applications (explosion protection). Due to the roof tile finishing of all SECAN® SECURO items, splashes of liquid metal can easily roll off. Reflective stripes with fluorescent background ensure good visibility. Up to approx. 50 Industrial washings, the material is hardly inflammable.

These 3M Scotchlite™ Reflective Stripes with luminous background provide workers with very good visibility even in dark conditions



Sleeve hem width adjustable via snap fastener

JACKET

Three-coloured • turn-down collar with covered snap fastener • closure band with covered snap fasteners on both sides • 2 front pockets and 2 side pockets, each with flap and covered snap fasteners • 1 inner front pocket on the left • flame-retardant reflective stripes, suitable for industrial laundry or renting, with luminous yellow background with roof tile design • Standard pictograms as direct embroidery on the front.

| | |
|--------------------|------------------------------------|
| Part number | 01085 10007 017 3011 |
| Garment weight | approx. 1,170 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | medium grey/orange/luminous yellow |
| Wearing comfort | |
| Industrial laundry | |
| Standards | |



DIN EN ISO 11612
A1+A2/B1/C1/E3/F1



DIN EN ISO 11611
Class 2 A1+A2



DIN EN 1149-5



DIN IEC 61482-2
Class 1

MATERIAL

SECAN® SECUR0 //

98% COTTON, 2% CARBON



FABRIC WEIGHT

approx. 460 g/m²

FIELDS OF APPLICATION

Energy suppliers, plant engineering and construction, steel works, metal industry, electricians, welders, liquid metals



3M Scotchlite™ FR reflective stripes No. 8935, suitable for industrial laundry, with luminous yellow background in roof tile design



HEAT, FLAME & SPLASHES

TROUSERS

Two-coloured • added waistband with covered buttoning • covered button fly • 2 side seam pockets • 1 hip pocket on the right and 1 ruler pocket on the right – each with flap and covered snap fastener • flame-retardant reflective stripes on the legs, suitable for industrial laundry and, with luminous yellow background and manufactured with roof tile design.

Part number **01085 20009 009 2068**

Garment weight **approx. 920 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour medium grey/luminous yellow

Wearing comfort

Industrial laundry

Standards



DIN EN ISO 11612
A1+A2/B1/C1/E3/F1



DIN EN ISO 11611
Class 2 A1+A2



DIN EN 1149-5



DIN IEC 61482-2
Class 1

DUNGAREES

Two-coloured • fix-lock stretch braces with clips • added straight kidney protection • bib with luminous yellow piping • 2 side accesses and fly, each with buttons • 2 side seam pockets with covered snap fastener • 1 outer bib pocket, 1 ruler pocket on the right and 1 hip pocket on the right – each with flap and covered snap fastener • flame-retardant reflective stripes on the legs, suitable for industrial laundry and, with luminous yellow background and manufactured with roof tile design.

Part number **01085 50006 011 2068**

Garment weight **approx. 1,200 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour medium grey/luminous yellow

Wearing comfort

Industrial laundry

Standards



DIN EN ISO 11612
A1+A2/B1/C1/E3/F1



DIN EN ISO 11611
Class 2 A1+A2



DIN EN 1149-5



DIN IEC 61482-2
Class 1






SECAN® PLUS WITH KEVLAR®

Reliable at extreme loads: The particularly wear-resistant and highly temperature-resistant KEVLAR® fabric offers maximum safety for welding work and work subject to the highest heat protection requirements, and SECAN® ensures high wearing comfort for applications with less strain. The compound reasonably combines the benefits of both fabrics.



JACKET

Two-coloured • front part and front sleeve with KEVLAR® border • turn-down collar • closure band with snap fasteners covered on both sides • 1 front pocket on the left and 2 side pockets, each with flap and covered snap fasteners • 1 inner front pocket on the right • pockets and flaps made of KEVLAR® • Standard pictograms as direct embroidery on the front.

| | |
|--------------------|--|
| Part number | 01019 10003 009 2095 |
| Garment weight | approx. 1,000 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour |  medium grey/yellow |
| Wearing comfort |  |
| Industrial laundry |  |
| Standards |   |

DIN EN ISO 11611
Class 2 A1+A2

DIN EN ISO 11612
A1+A2/B1/C1/E2/F1

COMPOSITE FABRIC
SECAN® PLUS // KEVLAR®

100% COTTON

100% ARAMIDE



FABRIC WEIGHT

approx. 420 g/m² + approx. 220 g/m² (KEVLAR®)

FIELDS OF APPLICATION

Steel works, metal industry, public services, welders, liquid metals



HEAT, FLAME & SPLASHES

TROUSERS

Two-coloured • front trousers completely with KEVLAR® border, back trousers with 30 cm KEVLAR® border starting at leg hem • added waistband with covered buttoning • covered fly with metal zip • 2 slant pockets • 1 hip pocket on the right with flap and covered snap fastener • 1 ruler pocket on the right.

Part number **01019 20006 002 2095**

Garment weight **approx. 955 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour medium grey/yellow

Wearing comfort

Industrial laundry

Standards



DIN EN ISO 11611
Class 2 A1+A2



DIN EN ISO 11612
A1+A2/B1/C1/E2/F1

DUNGAREES

Two-coloured • front trousers, complete with KEVLAR® border, back trousers with 30 cm KEVLAR® border starting at leg hem • bib completely made of KEVLAR® • stretch braces with clamp-on clips • straight kidney protection • 2 side accesses and fly, each with buttons • 1 inner bib pocket with snap fastener • 2 slant pockets • 1 hip pocket on the right with flap and covered snap fastener • 1 ruler pocket on the right.

Part number **01019 50011 000 2095**

Garment weight **approx. 1,055 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour medium grey/yellow

Wearing comfort

Industrial laundry

Standards



DIN EN ISO 11611
Class 2 A1+A2



DIN EN ISO 11612
A1+A2/B1/C1/E2/F1

HB-4welders®



This material has been developed exclusively with fabric manufacturer IBENA and certification institutes. It offers high protection on a completely new level of comfort: The fabric is significantly lighter, smoother and easy-fit than traditionally rather heavier welding protection - and yet extremely durable and tear-resistant. HB-4welders® is perfectly suited for permanent, even heavy duty welding work with additional risks caused by electric arcs.



+ band collar with covered snap fastener



Sleeve hems adjustable with covered snap fasteners



HB Logo as direct FR embroidery +

BLOUSON

Two-coloured • seamed with contrast colour off-white • band collar with covered snap fastener • closureband with covered PVC zip and covered snap fastener • 2 front pockets (+mobile phone pocket on the right) with flap and covered snap fasteners • additional border on the lower arms • sleeve hems with adjustable covered snap fasteners • Standards pictograms as direct FR embroidery on the front.

| | |
|-----------------|-----------------------------|
| Part number | 01137 10125 000 2205 |
| Garment weight | approx. 1,145 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | used navy/medium grey |

| | |
|--------------------|----------------------------------|
| Wearing comfort | |
| Industrial laundry | (Drying by Finisher recommended) |

| | | | | |
|-----------|-----------------------------------|---------------------------------------|---------------|----------------------------|
| Standards | | | | |
| | DIN EN ISO 11611 Class 2 A1+A2 | DIN EN ISO 11612 A1+A2/B1/C1/E3/F1 | DIN EN 1149-5 | DIN IEC 61482-2 Class 1 |

COMPOSITE FABRIC

HB-4welders® //

84% COTTON, 15% POLYESTER, 1% CARBON

HB-4welders®

| | |
|-----------------------|--|
| ATPV VALUE | 13.6 Cal/cm ² |
| | 569.4 kJ/m ² |
| HAF VALUE | 80.9 % |
| FABRIC WEIGHT | approx. 380 g/m ² |
| FIELDS OF APPLICATION | Welders, liquid metals, steel works, energy suppliers, public services, metal construction |



HEAT, FLAME & SPLASHES

TROUSERS

Two-coloured • seamed with contrast colour off-White • added waistband with covered buttoning • fly with PVC zip • 2 slant pockets • 1 hip pocket and 1 ruler pocket on the right (+ pen pocket) and 1 bellow pocket on the left (+ mobile phone pocket) – each with flap and covered snap fastener • knee pad pockets with adjustable Velcro fastener.

| | | |
|--------------------|-------------------------------------|-------------|
| Part number | 01137 20060 021 + colour-no. | |
| Garment weight | approx. 950 g | |
| Regular sizes | 46-58 & 94-110 | |
| Secondary sizes | 44, 60-64, 24-29 | |
| Colour | used navy/red | 2120 |
| | medium grey/red | 2071 |
| Wearing comfort | | |
| Industrial laundry | (Drying by Finisher recommended) | |
| Standards | | |

DUNGAREES

Two-coloured • seamed with contrast colour off-White • fix lock stretch braces • straight kidney protection • two-side access • PVC zip fly • 2 slant pockets • bib with outer pocket, flap and covered snap fastener • 1 hip pocket, 1 ruler pocket (+ pen pocket) and 1 bellows pocket (+ mobile phone pocket) – each with flap and covered snap fastener • knee pad pockets with adjustable covered Velcro fastener.

| | | |
|--------------------|-------------------------------------|-------------|
| Part number | 01137 50041 048 + colour-no. | |
| Garment weight | approx. 1,100 g | |
| Regular sizes | 46-58 & 94-110 | |
| Secondary sizes | 44, 60-64, 24-29 | |
| Colour | used navy/red | 2120 |
| | medium grey/red | 2071 |
| Wearing comfort | | |
| Industrial laundry | (Drying by Finisher recommended) | |
| Standards | | |

NOMEX® III

A classic in the energy sector: The fibre-inherent flame-retardant material with very high stability offers a very low surface resistance. This enables a very high protective function at a relatively low weight.



+ Front pocket on the left with flap and covered snap fastener

+ Inner front pocket on the right



BLOUSON

Single-coloured • turn-down collar • closure band with snap fasteners covered on both sides • 1 front pocket on the left with flap and covered snap fastener • 1 inner front pocket on the right • sleeve hem width adjustable via snap fasteners, covered inwards • added waistband • Standard pictograms as direct FR embroidery on the front.

Part number **01040 10011 001 41**

Garment weight **approx. 540 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour  royal

Wearing comfort 

Industrial laundry 

Standards



DIN EN ISO 11612
A1/B1/C1/F1



DIN EN 1149-5

MATERIAL
NOMEX® III //

99% ARAMIDE, 1% STEEL

DuPont™
NOMEX®

FABRIC WEIGHT

approx. 260 g/m²
 Shirt approx. 190 g/m²

FIELDS OF APPLICATION






Energy suppliers, public services,
 petro chemical industry, electricians



HEAT, FLAME
 & SPLASHES

WORK JACKET





Single-coloured • turn-down collar • closure band with snap fasteners covered on both sides • 1 inner front pocket on the right • 1 front pocket on the left with flaps and 2 piped pockets with covered pocket mouths, each with covered snap fasteners • sleeve hem width adjustable via covered snap fasteners.

| | |
|--------------------|---|
| Part number | 01040 10003 001 41 |
| Garment weight | approx. 565 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour |  royal |
| Wearing comfort |  |
| Industrial laundry |  |
| Standards |   |

DIN EN ISO 11612 A1/B1/C1/F1 DIN EN 1149-5

SHIRT

Single-coloured • turn-down collar with added collar band • closure band with buttons • 1 front pocket on the left • wristband with let-in piece and buttoning.

| | |
|--------------------|--|
| Part number | 01038 60000 008 41 |
| Garment weight | approx. 380 g |
| Regular sizes | 39/40 – 47/48 |
| Secondary sizes | 37/38, 49/50, 51/52 |
| Colour |  royal |
| Wearing comfort |  |
| Industrial laundry |  |
| Standards |   |

DIN EN ISO 11612 A1/B1/C1/F1 DIN EN 1149-5

NOMEX® III

A classic in the energy sector: The fibre-inherent flame-retardant material with very high stability offers a very low surface resistance. This enables a very high protective function at a relatively low weight.



OVERALL


Single-coloured • turn-down collar, closure band with snap fasteners covered on both sides • 1 front pocket on the left, 1 side pocket on the left and 1 pocket pass-through on the left – each with covered snap fastener • 1 ruler pocket on the right • elastic waistband all round • sleeve with hem width adjustable via covered snap fastener.

Part number **01040 30001 003 41**

Garment weight **approx. 945 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour  royal

Wearing comfort 

Industrial laundry 

Standards



DIN EN ISO 11612
A1/B1/C1/F1



DIN EN 1149-5

MATERIAL

NOMEX® III //

99% ARAMIDE, 1% STEEL

DuPont™
NOMEX®

FABRIC WEIGHT

approx. 260 g/m²

FIELDS OF APPLICATION

Energy suppliers, public services, petro chemical industry, electricians



HEAT, FLAME & SPLASHES

TROUSERS

Single-coloured • added waistband with 7 belt loops • button fly • 2 side seam pockets • 1 hip pocket on the right with flap and snap fasteners • 1 ruler pocket on the right.

| | |
|--------------------|---------------------------|
| Part number | 01040 20003 006 41 |
| Garment weight | approx. 520 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | royal |
| Wearing comfort | |
| Industrial laundry | |



DUNGAREES

Single-coloured • stretch braces with clamp-on clips • straight-cut kidney protection • 1 inner bib pocket with snap fastener • 1 side access on the left with buttoning • button fly • 2 side seam pockets with covered snap fastener • 1 ruler pocket on the right.

| | |
|--------------------|---------------------------|
| Part number | 01040 50002 009 41 |
| Garment weight | approx. 605 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour | royal |
| Wearing comfort | |
| Industrial laundry | |



VINEX®

Prime selection with liquid aluminium and iron: VINEX® impresses by its extraordinary and highly efficient protective properties while working with liquid metals and being exposed to metal splashes. Thanks to the roof tile design including trouser legs with cup, metal splashes easily drip off.



High band collar
with covered
Velcro fastener



+ Large inner pocket

Adjustable
sleeve hem width +



BLOUSON


Single-coloured • high band collar with covered Velcro fastener • closure band with snap fasteners covered on both sides • 1 front pocket on the left and 2 side pockets, each with flap and covered snap fasteners • 1 inner pouch pocket on the right with snap fastener • sleeve hem width adjustable via inwards covered snap fasteners.

Part number **01058 10015 004 48**

Garment weight **approx. 960 g**

Regular sizes 46-58 & 94-110

Secondary sizes 44, 60-64, 24-29

Colour  dark blue

Wearing comfort 

Industrial laundry 

Standards



DIN EN ISO 11612
A1+A2/B1/C1/D2/E3

MATERIAL

VINEX® //

85% VINAL, 15% MODAL





VINEX **WESTEX**
"Milkkan"

| | |
|-----------------------|--|
| ATPV-VALUE | 10.7 cal/cm ² |
| | 447.9 kJ/m ² |
| HAF-VALUE | 74.5 % |
| FABRIC WEIGHT | approx. 390 g/m ² |
| FIELDS OF APPLICATION | Aluminium industry, steel works, liquid metals |



TROUSERS

Single-coloured • added waistband with 7 belt loops and covered buttoning • covered snap fastener fly • 2 side seam pockets • 1 hip pocket and 1 ruler pocket on the right with flap and covered snap fastener • trouser leg manufactured in roof tile design.

| | |
|--------------------|---|
| Part number | 01058 20013 000 48 |
| Garment weight | approx. 1,005 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour |  dark blue |
| Wearing comfort |  |
| Industrial laundry |  |
| Standards |  |

DIN EN ISO 11612
A1+A2/B1/C1/D2/E3

DUNGAREES

Single-coloured • stretch braces with clamp-on clips • 1 inner bib pocket with snap fastener • 2 side seam pockets with covered snap fasteners, 1 hip pocket on the right and 1 ruler pocket on the right, each with flap and covered snap fastener • 1 side access on the left and button fly • trouser leg manufactured with roof tile design.

| | |
|--------------------|--|
| Part number | 01058 50012 001 48 |
| Garment weight | approx. 1,130 g |
| Regular sizes | 46-58 & 94-110 |
| Secondary sizes | 44, 60-64, 24-29 |
| Colour |  dark blue |
| Wearing comfort |  |
| Industrial laundry |  |
| Standards |  |

DIN EN ISO 11612
A1+A2/B1/C1/D2/E3

HABETEX® EVOLUTION

Light-weight, comfortable and permanent flame protection: As compared to other aramide based materials, our HABETEX® evolution shirt is very soft and smooth thanks to the viscose fabric part. It offers safety at a very high level because of its fibre-inherent flame retardancy. Protective function and textile quality are preserved even after many industrial laundries. High wearing comfort.

MATERIAL

HABETEX® EVOLUTION //

79% ARAMIDE, 20% VISCOSE FR, 1% CARBON

HABETEX®

HB-evolution

FABRIC WEIGHT

approx. 175 g/m²

FIELDS OF APPLICATION

Heat-exposed work



1 front pocket with flap and covered snap fasteners



SHIRT

Single-coloured • design based on denim look • contrast stitching in off-white
 • closure band with snap fasteners covered on both sides • turn-down collar with attached band and covered snap fasteners • 1 front pocket on the left with flap and covered snap fasteners • wristband with added material and covered snap fasteners • Standard pictograms as direct embroidery on right wristband.



Standard pictograms as direct embroidery

Part number **01138 60014 000 + colour no.**

Garment weight **approx. 420 g**

Regular sizes 39/40 – 47/48

Secondary sizes 37/38, 49/50, 51/52

Colour dark blue **48**
 anthracite **58**

Wearing comfort

Industrial laundry

Standards



DIN EN ISO 11612
A1/B1/C1/F1



DIN EN 1149-5

ACCESSORIES

Here you find two accessories going perfectly with our welding and flame protection garments: The robust belt, available in three lengths and made from certified FR material, and the comfortable and solid knee pads, suitable for all HB trousers with knee pad pockets.



HEAT, FLAME
& SPLASHES

KNEE PADS

The lightweight and sturdy knee pads protect the knees and increase comfort during activities that require kneeling. Suitable for all HB trousers equipped with knee pad pockets. Even withstands several domestic washings if it remains in the knee pad pockets (Note: no industrial laundry).

| | |
|-----------------------|--|
| Part number | 04033 76013 000 58 |
| Garment weight | approx. 70 g |
| Size | approx. 18 x 24 cm |
| Colour | ● anthracite |
| Fields of application | Activities that require kneeling, work exposed to heat |
| Industrial laundry | 🚰 (Domestic washing only, no tumbler) |

BELT FR

Stretch belt made of flame retardant knitted material with plastic buckle, suited for heat protection clothing. The certified material meets the requirements regarding combustion behaviour and heat resistance and shrinkage with industrial laundry according to DIN EN ISO 11612-A1.

| | |
|-----------------------|---|
| Part number | 01113 76012 000 46 |
| Garment weight | approx. 80 g |
| Size | Lenght 90 cm/110 cm/130 cm; Width 38 mm |
| Colour | ● black |
| Fields of application | Heat-exposed works |
| Industrial laundry | 🚰 |
| Standards | |



DIN EN ISO 11612-A1
 Material