





You're always on the safe side with JUTEC®.

JUTEC® GmbH was founded in 1987 and today is one of Europe's leading manufacturers in the sectors of heat protection, work protection, insulation technology and laser protection.

What do we offer you?

Individual advanced training of the workforce and further development of our technology with our own mechanical engineering. Industry and trade benefit from our continually growing worldwide production and innovation know-how.

Result:

An always-protective standard product line tried and tested in everyday use that is continually modernized and expanded. Our customers are only provided with certified products tested up to their limits.

You can depend on JUTEC® PRODUCTS.

MADE IN \equiv GERMANY.

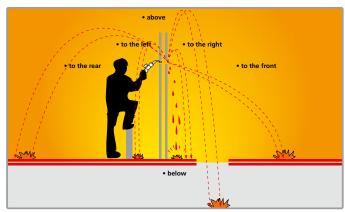




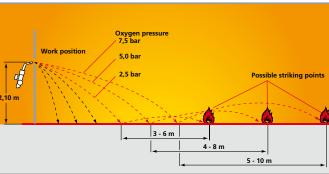
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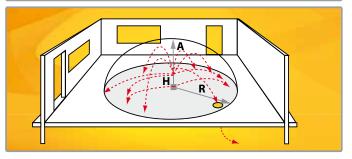
PROPAGATION BEHAVIOR DURING WELDING WORK.



Direction of splashing of welding spatter



Splashing distance of welding spatter - horizontal range



At working heights above 2 m, the lateral radius (R) of all work processes must be increased by 0.5 m per additional meter of working height (H) and secured!

Quality comes first for all JUTEC® products. With the **ISO 9001:2000** certification we commit ourselves to a high level of quality management and responsible handling of technical and safety-related data. These data are accessible to our customers at all times. With state-of-the-art CAD, Cut technology and computerized sewing technology, we can offer our customers extremely fast, customized production.

We can provide you with a technical data sheet for each product. The information on temperature resistance for short-term and continuous loading and/or the type of thermal loading (radiated heat or contact heat) is of elementary importance.

In addition, you also receive EC safety data sheets and corresponding certificates from JUTEC°.

Certificates

The reputable Material prüfungsinstitut (MPA - Materials Testing Institute) in Dresden, Germany, subjected

JUTEC® fabric to a test in accordance with **DIN EN 13501-1** (Fire behavior of building

materials and structural elements) in accordance with the new

European Fire Protection Test applicable for all European countries.

MPA
Dresden
Europäischer Brandschutztest
Din N 13501-1
Brandverhalten: A1 | A2 | B
Rauchentwicklung: s1 | s2
Brennendes Abtropfen: d0

The fabric was also tested by the Brandversuchshaus (Fire Test Laboratory) of TÜV-Nord and certified by the German See-Berufsgenossenschaft (**SEE-BG** - Maritime Employers' Liability Insurance Association). In addition, the approval of the **U.S. Coast Guard** for the **worldwide shipbuilding standard** has also been issued for our fabric.



JUTEC® uses the certified special fabric for manufacturing splash protection blankets, welding protection curtains, room partitions and protected hoses, insulation and flame protection mats and other special constructions.



The **Geprüfte Sicherheit** (Tested Safety) seal (GS symbol) certifies that our products meet the requirements of Section 21 of the German Produktsicherheitsgesetz (ProdSG - Product Safety Act).



FABRIC STRUCTURES.



HIGH-TEMPERATURE FIBERS.

High-temperature textiles enable flexible product design and offer protection against high thermal loading of human beings, machines and materials. By using inorganic fibers which have a higher thermal resistance compared to organic fibers and are non-flammable, JUTEC® mainly works with fabrics produced from yarns of two fiber types:

E-glass thread

is resistant to oil, grease, organic acids, solvents, water (hydrolytic Class 1 according to DIN 12111) and media with pHs of 3 to 9. In addition, E-glass fabrics are toxicologically harmless and are not subject to marking according to the German Gefahr-Stoff-Verordnung (GefStoffV - Hazardous Substance Regulation). The melting point of the loom-finished fabrics is between 840°C and 1,000°C.

Silicate thread

Silicate thread is chemically resistant with the exception of hydrofluoric and phosphoric acid and strong alkaline solutions. This type of thread is extremely skin-friendly and toxicologically harmless. The labeling requirement in accordance with the German GefStoffV does not apply to silicate thread. The ideal protection against molten metal splashes and glowing slag can be explained from the high melting temperature of $1,600^{\circ}$ C to $1,700^{\circ}$ C.

SMOOTH THREAD AND TEXTURED THREAD

JUTEC® fabrics are woven from both smooth and textured thread. Smooth thread has a higher strength at the same weight, while textured threads are characterized by greater volume and therefore an improved insulating effect, as greater quantities of air are stored in the textured thread.





Smooth thread

Textured thread

Fabric of smooth thread

Fabric of textured thread

Weaves

Fabrics with an extremely broad range of weaves are manufactured from the E-glass thread (smooth and/or textured).







Satin weave

The satin weave has the maximum possible thread density. As a result, the highest fabric strengths can be achieved. The surface is closed and smooth. The fabrics are excellently suited for coatings.

Plain weave

They are characterized by insensitivity to warping and minimal fraying.

They have a closed surface. This uniform surface finish enables coatings with low application quantities.

Cross twill weave

The cross twill weave also has an increased thread density. The characteristic surface structure causes air to be stored.

This results in a good insulating effect with outstanding strength and dimensional stability.

HEAT PROTECTION FABRICS.



E-glass fabric with Alufix

- Toxicologically harmless, asbestos-free, ceramic-free, slip-resistant
- Can be permanently loaded up to 550°C, briefly up to 600°C
- Material thicknesses from 0.2 mm to 3 mm, standard width 1 m
- Weights from 200 g/m² to 2,000 g/m²









Additional qualities on request!

E-glass fabric with HT coating

- · Toxicologically harmless, asbestos-free, ceramic-free, mechanically loadable
- Can be permanently loaded up to 750°C, briefly up to 850°C

 $0.8\,\text{mm}$

1.6 mm

• Standard width 1 m

JT660HT

JT600HT

• Weights from 1,000 g/m² to 2,250 g/m²

Weight [g/m²]

approx. 660

approx. 1070



• • • •	
Remarks	
Satin weave, HT coating, smooth	
Plain weave, HT coating, textured	



Additional qualities on request!

E-glass fabric with HT coating

- · Toxicologically harmless, asbestos-free, ceramic-free, Mechanically loadable
- Can be permanently loaded up to 900°C, briefly up to 1,150°C
- Standard width 1 m
- Weights from 1,000 g/m^2 to 2,250 g/m^2



Art. No.	Weight [g/m²]	Thickness	Remarks
JT900HT	approx. 1000	1.6 mm	Plain weave, HT coating, textured

Additional qualities on request!

Silicate weave with vermiculite coating

- · Toxicologically harmless, asbestos-free, ceramic-free, flexible, soft
- Can be permanently loaded up to 1,100°C, briefly up to 1,300°C
- Standard width 0.9 m
- Weights from 650 g/m² to 1250 g/m²



Art. No.	Weight [g/m²]	Thickness	Remarks
JT1250HT	approx. 650	0.7 mm	Cross twill weave (satin weave), smooth
JT1200HT	approx. 1250	1.4 mm	Cross twill weave (satin weave), smooth

Additional qualities on request!







The most important measure for preventing smoldering fires during welding or grinding work is covering flammable areas with a classified splash protection blanket from JUTEC. Special coatings in combination with the fabric weave and the density create a broad range of mechanical loads and offer you maximum protection up to 1,300°C.

Spark protection blanket with Alufix coating

- • Protection against flying sparks and grinding splashes
- Can be permanently loaded up to 550°C, briefly up to 600°C





Art. No.	Dimensions [mm]	Weight [g/m²]	Thickness	Remarks
S1351020	1,000 x 2,000	approx. 650	0.7 mm	slip-resistant, gray on one side
S1352020	2,000 x 2,000	approx. 650	0.7 mm	slip-resistant, gray on one side
S1352030	2,000 x 3,000	approx. 650	0.7 mm	slip-resistant, gray on one side



Additional dimensions on request!

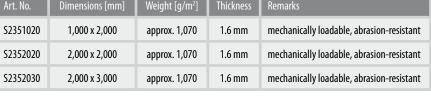
Spark protection blanket with HT coating

- Protection against welding splatter
- • Can be permanently loaded up to 750°C, briefly up to 850°C





Art. No.	Dimensions [mm]	Weight [g/m²]	Thickness	Remarks
S2351020	1,000 x 2,000	approx. 1,070	1.6 mm	mechanically loadable, abrasion-resistant
S2352020	2,000 x 2,000	approx. 1,070	1.6 mm	mechanically loadable, abrasion-resistant
S2352030	2,000 x 3,000	approx. 1,070	1.6 mm	mechanically loadable, abrasion-resistant



Additional dimensions on request!

Spark protection blanket with HT coating

- Protection against red-hot welding spatter
- Can be permanently loaded up to 900°C, briefly up to 1150°C





Art. No.	Dimensions [mm]	Weight [g/m²]	Thickness	Remarks
S4351020	1,000 x 2,000	approx. 1,000	1.6 mm	mechanically loadable, abrasion-resistant
S4352020	2,000 x 2,000	approx. 1,000	1.6 mm	mechanically loadable, abrasion-resistant
S4352030	2,000 x 3,000	approx. 1,000	1.6 mm	mechanically loadable, abrasion-resistant

Additional dimensions on request!

Spark protection blanket with vermiculite coating

- · Protection against bright red-hot welding splatter and slag
- Can be permanently loaded up to 1100°C, briefly up to 1300°C





Art. No.	Dimensions [mm]	Weight [g/m²]	Thickness	Remarks
S5350920	900 x 2,000	approx. 1,250	1.4 mm	flexible, slip-resistant
S5351820	1,800 x 2,000	approx. 1,250	1.4 mm	flexible, slip-resistant
S5351830	1,800 x 3,000	approx. 1,250	1.4 mm	flexible, slip-resistant

Additional dimensions on request!







JUTEC® curtains are produced in any width and length, including in the form of slats and without visible strips. Hanging/extension is achieved on all sides with hooks, eyelets, loops, rings and snaps.





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Welder's curtain with viewing window

- With louver window (500 mm)
- With one-sided eyelet device (extra charge for eyelets and rings)

A	rt. No.	Dimensions [mm]	Heat protection	Remarks			
S	V1015A [ÖR1]	1,000 x 1,500	200°C	A = cotton canvas (olive) + PVC			
S	V1015B [ÖR1]	1,000 x 1,500	600°C	B = JT650G1 + PVC			
S	V1015C [ÖR1]	1,000 x 1,500	850°C	C = JT600HT + PVC			
S	V1015D [ÖR1]	1,000 x 1,500	1,150℃	D = JT900HT + PVC			
S	V0915E [ÖR1]	900 x 1,500	1300°C	E = JT1200HT + PVC			

Mobile frame for protective curtains

TW-Z-TW-2000	арргох. 1,950 х 2,070	Steel	Frame (1-piece)
TW-Z-TW-4000	approx. 4,050 x 2,070	Steel	Frame with 2 swiveling arms (3-piece)



Fabric curtains

• With one-sided eyelet device (extra charge for eyelets and rings)

Art. No.	Dimensions [mm]	Heat protection	Remarks
SV1010BW [ÖR1]	1,000 x 1,000	200°C	Cotton canvas, approx. 420 g/m ²
SV1010G1 [ÖR1]	1,000 x 1,000	600°C	JT650G1, approx. 650 g/m ²
SV1010CS [ÖR1]	1,000 x 1,000	850°C	JT600HT, approx. 1,070 g/m ²
SV1010WS [ÖR1]	1,000 x 1,000	1,150°C	JT900HT, approx. 1,000 g/m ²
SV0910Si [ÖR1]	900 x 1,000	1300°C	JT1200HT, approx. 1,250 g/m ²

Fabric curtains for radiation protection

• With one-sided eyelet device (extra charge for eyelets and rings)

Art. No.	Dimensions [mm]	Heat protection	Remarks
SV1010KA-3 [ÖR1]	1,000 x 1,000	1,000°C	Aramide fabric with aluminum coating on one side
SV1010KA-4 [ÖR1]	1,000 x 1,000	1,000°C	E-glass fabric with aluminum coating on one side

Additional qualities and dimensions on request!

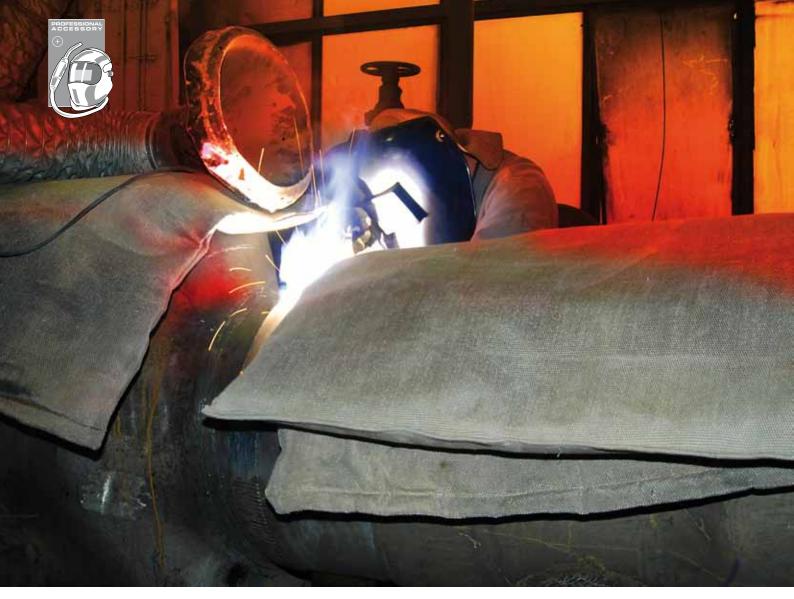
Fasteners

Art. No.	dia. in mm	Material	Remarks					
SVÖ00017	16	Brass	Eyelet					
SVR00040	40	Steel	Ring					

Eyelets and rings on several sides on request!







MATS WITH INSULATION.

JUTEC® mats are used for slow cooling of preheated cast parts and to reduce energy losses. The products are GS certified and the fabric is tested according to DIN EN 13501-1.





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Mats with non-woven material filling





WELD SEAM COVER MAT.



 ${\it JUTEC} ^{\circledast} \ weld \ seam \ covers \ for \ protection \ of \ weld \ seams \ against \ moisture \ and \ for \ rapid \ cooling. \ Fasteners \ alternatively \ with \ leather \ buckles, \ Velcro \ fasteners \ and \ eyelets. \ GS \ certified.$





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Pipe construction mats of PVC/E-glass fabric with buckles

Art. No.	Dimensions [mm]
RM0205PL	200 mm pipe = L 800, W 500
RM0305PL	300 mm pipe = L 1,100, W 500
RM0405PL	400 mm pipe = L 1,400, W 500
RM0505PL	500 mm pipe = L 1,700, W 500
RM0605PL	600mm pipe = L 2,100, W 500
RM0705PL	700 mm pipe = L 2,400, W 500
RM0805PL	800 mm pipe = L 2,700, W 500
RM0905PL	900 mm pipe = L 3,000, W 500
RM1005PL	1,000 mm pipe = L 3,300, W 500
RM1105PL	1,100 mm pipe = L 3,600, W 500
RM1205PL	1,200 mm pipe = L 4,000, W 500
RM1305PL	1,300 mm pipe = L 4,300, W 500
RM1405PL	1,400 mm pipe = L 4,600, W 500







PROTECTIVE COVERS FOR BODY CONSTRUCTION.

JUTEC® protective covers protect against damage during welding and grinding work. Time-consuming removal of attached parts on the vehicle is eliminated. The protective covers are reusable, non-flammable and silicone-free. Our products are GS certified and the fabric is tested according to DIN EN 13501-1.





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Window protection blanket

Art. No.	Dimensions [mm]	Heat protection	Remarks			
SS1351020	1,000 x 2,000	600°C	JT650G1, approx. 650 g/m ²			
SS1352020	2,000 x 2,000	600°C	JT650G1, approx. 650 g/m ²			
SS1351030	1,000 x 3,000	600°C	JT650G1, approx. 650 g/m ²			
SS5350920	900 x 2,000	1300°C	JT1200HT, approx. 1,250 g/m ²			
SS5351830	1,800 x 3,000	1,300°C	JT1200HT, approx. 1,250 g/m ²			
SS5350930	900 x 3,000	1,300°C	JT1200HT, approx. 1,250 g/m ²			

Additional dimensions on request!

Door protection blanket

• For standard models, e.g. VW, BMW, Mercedes Benz and universal for trucks

Art. No.	Dimensions [mm]	Heat protection	Remarks
TS135	Standard	600°C	JT650G1, approx. 650 g/m ²
TS135LKW	Standard	600°C	JT650G1, approx. 650 g/m ²
TS535	Standard	1,300°C	JT1200HT, approx. 1,250 g/m ²
TS535LKW	Standard	1,300°C	JT1200HT, approx. 1,250 g/m ²

Interior protection blanket

• With magnetic fasteners

Art. No.	Dimensions [mm]	Heat protection	Remarks	
IRS135	on request	600°C	JT650G1, approx. 650 g/m ²	

Additional dimensions on request!

Wheel cover

Art. No.	Dia.	Heat protection	Remarks
RADS135PKW	650	600°C	Wheel cover for passenger cars with elastic band
RADS135LKW	1,100	600°C	Wheel cover for trucks with elastic band

Tailgate protection

Art. No.	Dimensions [mm]	Heat protection	Remarks
HKS135XL	Standard	600°C	Tailgate protection for passenger cars with Velcro fastener
HKS535XL	Standard	1300°C	Tailgate protection for passenger cars with Velcro fastener













JUTEC® pillows are used as heat protection when kneeling on a hot surface. Ideal for tank construction.

Art. No.	Dimensions [mm]	Heat protection	Remarks	
(4040BW	400 x 400 x 40	200°C	Outer cover from JT550BW	500
K4040G1	400 x 400 x 40	500°C	Outer cover from JT650G1	(3.22)
K4040LD	400 x 400 x 40	250°C	Outer cover of split leather	
K4040GS	400 x 400 x 40	250°C	Outer cover from JT650GS1 (moisture-p	oof)
SK4040CS	400 x 400 x 40	850°C	Outer cover from JT600HT	
SK4040SI	400 x 400 x 40	1,200°C	Outer cover from JT1200HT	A STATE OF THE STA
SK10040G1	1,000 x 400 x 40	500°C	Outer cover from JT650G1 (not illustrated)	AND THE PARTY OF
lditional	dimensions on r	equest!		1000
K4040B	w)		• (SK4040G1)	
(SK4040L	D)		• (SK4040GS)	
A				
			• (SK4040SI)	

MATS WITH INSULATION.

JUTEC® welding mats are used as a supporting surface during welding and soldering work to protect the surrounding area and to prevent complicated dismantling work. The flame protection mats are reusable and GS certified. The mats must be checked for damage before every use.



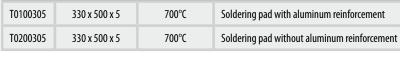


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Dry mat as soldering pad

• Up to 700°C on both sides and can be reused several times

Art. No.	Dimensions [mm]	ensions [mm] Heat protection Remarks	
T0100305	330 x 500 x 5	700°C	Soldering pad with aluminum reinforcement
T0200305	330 x 500 x 5	700°C	Soldering pad without aluminum reinforcement



Additional dimensions on request!

Dry mat as welding pad

- Can be used for up to 1,000°C briefly on black side
- Can be reused several times
- Special multi-layer structure

Art. No.	Dimensions [mm]	Heat protection	Remarks
T1200303	300 x 300 x 20	1,000°C	Welding pad with insulation
T1200305	300 x 500 x 20	1,000°C	Welding pad with insulation
T1200505	500 x 500 x 20	1,000°C	Welding pad with insulation
T1200510	500 x 1000 x 20	1,000°C	Welding pad with insulation
T1200010	1,000 x 1,000 x 20	1,000°C	Welding pad with insulation



Wet mat

- Can e used up to 3,000°C briefly on black side
- · Protection against liquid welding spatter and direct welding flame

- Special multi-layer structure, wet on one side
- · Reusable by re-wetting

Art. No.	Dimensions [mm]	Heat protection	Remarks
F4200303	300 x 300 x 30	3,000°C	Welding pad with insulation
F4200305	300 x 500 x 30	3,000°C	Welding pad with insulation
F4200505	500 x 500 x 30	3,000°C	Welding pad with insulation
F4200510	500 x 1000 x 30	3,000°C	Welding pad with insulation
F4201010	1,000 x 1,000 x 30	3,000°C	Welding pad with insulation

Additional dimensions on request!









EVEN MORE HEAT PROTECTION.



JUTECs® field of activities in the heat protection sector is so diverse that it is only possible to achieve maximum safety together with our customers. The following product groups are intended to provide a sense of what is currently being used. Allow yourself to be inspired and utilize our expertise.

Flame protection paste

- · Can be applied by hand
- · Can be modeled.
- Heat protection up to approx. 3,000°C, asbestos-free, ceramic-free
- No further flow of heat in material
- · Expensive, time-consuming dismantling is eliminated

Art. No. Container Heat protection Remarks J2101000 1 kg 3,000°C Flame protection past						
,	No paint fire, no material deformations Also protects rubber, PVC and hydraulic hoses					
5, 1,	Energy supplied is concentrated on application area					



Heat protection safety case

Contains everything necessary for difficult soldering and/or welding work to reliably prevent damage due to the effects of heat. Clearly laid out and conveniently close together. Prevents insurance damage and guarantees clean, fast work.

Belongs in every assembly cart, ideal for maintenance work.

Contents	Dimensions [mm]	Heat protection	Remarks
1 x	900 x 2,000	1,300°C	Splash protection blanket
1 x	300 x 500 x 20	1,000°C	Dry mat
1 x	300 x 300 x 30	3,000°C	Wet mat
1 x	1 kg	3,000°C	Flame protection paste

Individual combinations on request!



Extinguishing blankets

- • • • • • • • • • Made of textured E-glass fabric
- Cut edges seamed, with grip pockets
- Packed folded in red carrying bag marked with "Löschdecke"
- Or of siliconized E-glass fabric
- Cut edges seamed, with grip pockets
- Packed folded in red carrying bag marked with "Löschdecke"

Art. No.	Dimensions [mm]	Remarks
JT5020FL	1,800 x 1,600	textured extinguishing blanket (standard)
JT5030FL	1,800 x 1,600	siliconized extinguishing blanket
JT5036FL	1,200 x 1,800	siliconized extinguishing blanket
JT5000LB	200 w x 300 h x 240 d	Extinguishing blanket container for wall-mounting, · can be folded forward







H05L glove made of Sebatan[®] leather

- Sewn with Kevlar® thread
- Insulated SEBATAN° leather
- Does not become stiff when exposed to heat
- Length: 35 cm
- Material: SEBATAN® leather
- EN 388: 3 1 3 3
- EN 407: 413 X4X





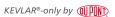
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KAT. II









H05LA...BL glove made of Sebatan® leather | aluminized

- Abrasion-resistant
- Simple cotton lining
- Length: 35 cm
- Material: SEBATAN® leather
- EN 388: 3 2 3 3
- EN 407: 4 1 3 4 X X





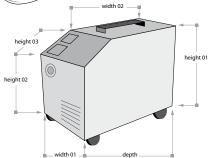






EVEN MORE HEAT PROTECTION.





SH equipment type G1 full equipment protection

- Protects against welding spatter and flying sparks
- Crystal clear slat ensures access to displays and controls
- A protective hose for hose packages can also be mounted.
- Dimensions: depending on equipment type
- Fabric: JT650G1



ISL protective hose

- Protects against welding spatter and flying sparks
- Ideal for rental devices, demonstration or
- Heat protection up to approx. 600°C
- · Dimensions: depending on hose package
- Material: Aramide fabric | aluminized





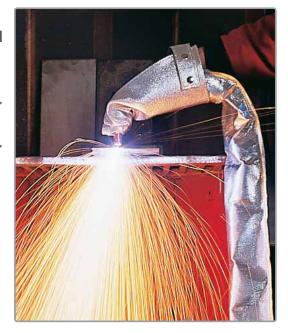
SPH welding-gun hand protection made of aramide fabric | aluminized

- Abrasion-resistant
- · Excellent handling
- Fits on standard welding guns
- Standard dimensions
- Material: Aramide fabric | aluminized











HSS..VL heat protection apron made of full grain leather

- Protects against flying sparks, grinding and sanding spatter
- Very pleasant wearing comfort
- With tie belt and neck strap
- Dimensions: 1000 mm x 800 mm
- Material: smooth full-grain leather



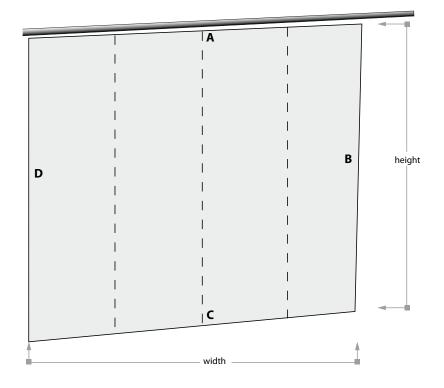




DIMENSION SHEET FOR CURTAINS.

Use our dimension sheets for fast ordering. Simply copy, fill out and fax.

• Width mm Heigh	nt mm
 Ö1 - Eyelets on one side Ö3 - Eyelets on three side [Standard distance is 30 cm for eyelets, 	Ö2 - Eyelets on two side Ö4 - Eyelets on four side , rings, snaps and tabs]
different distance between the	eyelets: mm
□ Ö1 □ Ö2	□ Ö3 □ Ö4
□ A □ A □ B □ B □ C □ C □ D □ D	□ A □ A □ B □ B □ C □ C □ D □ D
• ☐ Rings Number of rings	S:
• Other: [Please draw in!] ☐ Snap ☐ cor	ntinuous loop
□ Velcro closure □ ind	lividual tabs
• Material:	
BW Cotton [not suitable for outdoor]	□ JT 650 G1
□JT 600 HT	□ JT 900 HT
□JT 1200 HT	others





DIMENSION SHEET FOR EQUIPMENT COVERS.



	Manufacturer											
•	Manuacturer	•										•

• Width 01mm

• Width 02mm

• Height 01mm

• Height 02mm

• Height 03mm

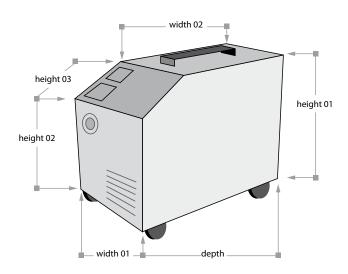
• Depthmm

Position of ventilation

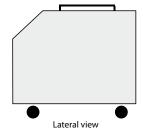
Position of grip

Dimensions of electrical connection

Dimensions of hose set





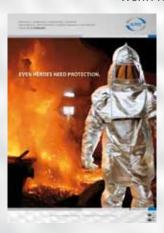






Our other catalogs.

Work Protection



Insulation Technology



Laser Protection



Protective Clothing

Gloves

www.jutec.com

