

This data sheet shows only one type of Thermic-Welded Cover that we manufacture.

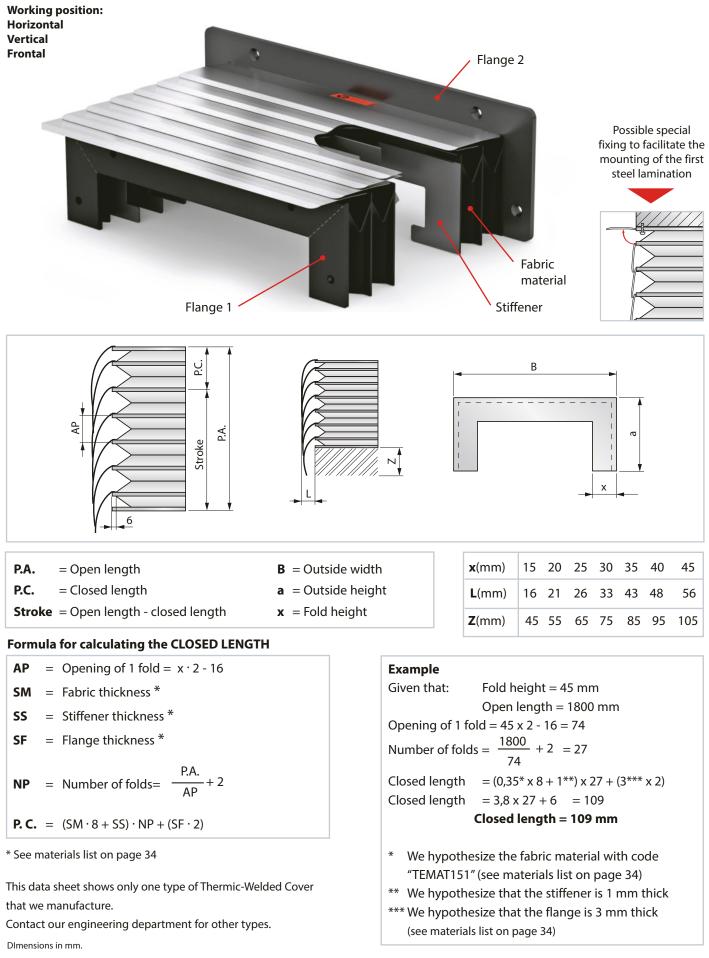
Contact our engineering department for other types.

DImensions in mm.

\*\*\* We hypothesize that the flange is 2 mm thick (see

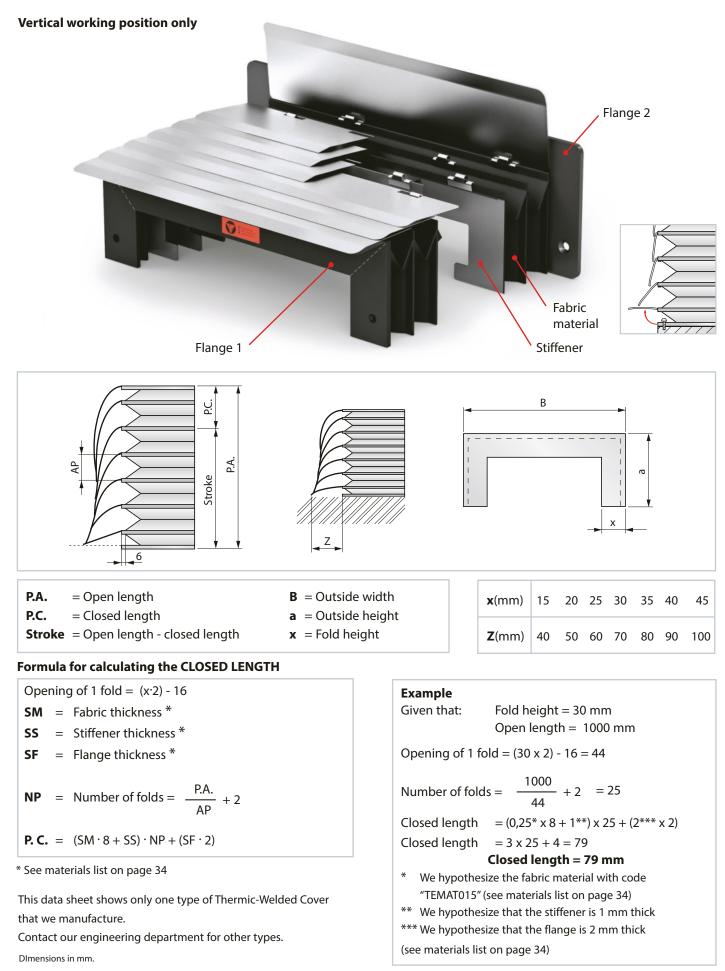
materials list on page 34)

### **THERMIC-WELDED COVER WITH FIXED LAMINATIONS**





### **THERMIC-WELDED COVER WITH FLEXIBLE LAMINATIONS**



33

# **Thermic-Welded Cover materials**

Fabric	Description				Heat resistance			Primary
material code	Visible	Fabric	Internal	Thickness (mm)	contact	Continuous		resistance
	side	insert	side			min. °C	max. °C	characteristics
TEMAT 106	Ptfe	Polyester	Polyurethane	0,30	+200	-30	+120	Excellent resistance to oils and chemical products. No adhesive surface. Low friction coefficient. Excellent chemical inertia. Excellent resistance to abrasion and bending strength. <b>Mainly used in grinding machines.</b>
TEMAT 015	Polyurethane	Polyester	Polyurethane	0,25	+200	-30	+ 90	Excellent resistance to petroleum products, oils and heavy abrasion.
TEMAT 151	Polyurethane	Polyester	Polyurethane	0,35	+200	-30	+ 90	Excellent bending strength.
TEMAT 164	Polyurethane	Kevlar*	Polyurethane	0,35	+350	-30	+180	Excellent resistance to petroleum products, oils and heavy abrasion. Excellent bending strength. Excellent mechanical strength. Kevlar also has excellent shear strength. Normally used when there is heavy mechanical stress, a large amount of sharp shavings, and at high temperatures.
TEMAT 165	Polyurethane	Nomex*	Polyurethane	0,36	+300	-30	+130	Excellent resistance to petroleum products, oils and heavy abrasion. Excellent bending strength. Excellent mechanical strength. Good resistance to minor welding splatter or hot material. Widely used in laser cutting machines. <b>Self-extinguishing</b> .
TEMAT 169	Polyurethane	Panox*/Kevlar	Polyurethane	0,33	+300	-30	+130	Excellent resistance to petroleum products, oils and heavy abrasion . Excellent bending strength. Excellent mechanical strength. Good resistance to minor welding splatter or hot material. <b>It may be considered as the</b> <b>best fabric on the market for use in laser</b> <b>cutting machines. Self-extinguishing.</b>
TEMAT 017	PVC	Polyester	PVC	0,36	+100	-30	+ 70	Mainly used around heavy ambient
TEMAT 020	PVC	Polyester	PVC	0,25	+100	-30	+ 70	dust, minor splatters of coolant and oil. Also suitable for use around acids.

#### **Stiffener materials**

Stiffener material code	Description	Thickness (mm)	n) Notes	
PVC 05	PVC	0,50 **	Outside width (B) up to 300 mm	
PVC 10	PVC	1,00	Outside width (B) from 301 up to 700 mm	
PVC 15	PVC	1,50	Outside width (B) from 701 up to 1500 mm	

### **Flange materials**

Flange material code	Description	Thickness (mm)
AL	Aluminum	2,0 - 3,0
AC	Steel	2,0 - 3,0 - 4,0
PVC	PVC	2,0 - 3,0

### Lamination materials

	Lamination material code	Description	Primary applications
	AL	Aluminum (Baked Enamel Finish)	For use around welding splatter, small and medium-sized hot shavings. Especially suitable for use around continuous sparks. Appropriate where lightweight materials are necessary.
	ΙΝΟΧ	Stainless Steel	In work environments with large shavings. Especially suitable for use around acids.

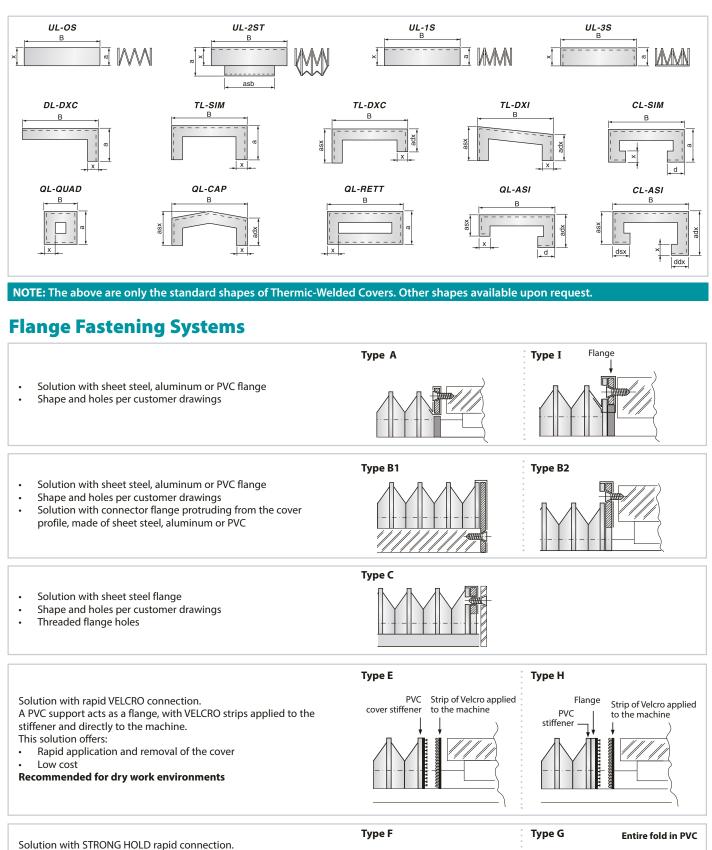
\* Kevlar and Nomex are registered Dupont trademarks \*\* NOT recommended for Thermic-Welded Covers with laminations.

Contact our engineering department for other materials and applications.

DImensions in mm.



# **Standard Shapes**



PVC stiffener

Flange

A PVC support and flange act as a flange, to which the STRONG HOLD rapid connection is applied. The flange is made of sheet steel, aluminum or PVC, shape and holes per customer drawings. This solution offers:

Rapid application and removal of the cover

• Foam gasket strip provides a tight seal around the connection **Recommended for wet work environments** 



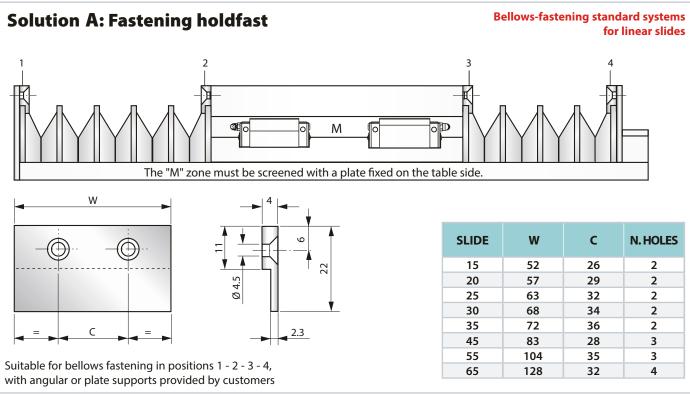
Counterflange

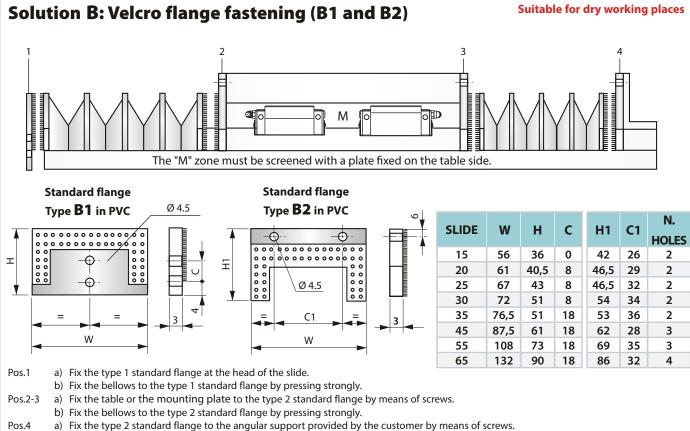
PVC

stiffener

Flange

## **Thermic-Welded Covers Standard Systems for Linear Slides**





b) Fix the bellows to the type 2 standard flange by pressing strongly.

#### N.B. Fastening options showed in Pos. 1-4 are interchangeable

This technical card represents the standard systems used for the fastening of bellows for linear slides we can provide. For different sizes, please contact our technical department.

DImensions in mm.

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