

YDEEVNEDEKLARATION

Nr.: SR 00016

1. Byggevaretype:	Faste lodrette trafikskilte.
2. Byggevaridentifikation:	Rørgalger til montage af færdselstavler.
3. Byggevarens tilsigtede anvendelse:	
4. Producentens Navn og adresse:	Saferoad Traffic A/S Hvidkærvej 33 5250 Odense SV
5. Systemerne til vurdering og kontrol af konstansen af byggevarens ydeevne:	1
6. Produktstandard:	EN 12899-1:2007
7. Notificeret Organ:	DBI Certification A/S, Jernholmen 12, DK-2650 Hvidovre nr.: 2531 har udført bestemmelse af varetype, type beregning, indledende og løbende overvågning af fabrikkens egen produktions kontrol (FPC) og udstedt EC Certifikat
8. EC Certifikat of Conformity:	2531-CPR-CSC10016

9. Deklareret ydeevne:

Sizes of signboards and different types of gallows Pipes: Minimum steel quality: S235 in dimension Ø48,3 x 2,9, Ø48,3 x 3,0 and Ø48,3 x 3,2 mm Signboard: Minimum aluminum quality: R _{p0,2} = 180 MPa, min. 2 mm thickness	Classification according to wind load classes		
	Placed in WL1	Placed in WL2	Placed in WL3
	Signboard: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1. Gallows: PAF1, WL1, DSL0, PL0, TDB1, TDT4 and SP1.	Signboard: PAF1, WL2, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1. Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT4 and SP1.	Signboard: PAF1, WL3, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1. Gallows: PAF1, WL3, DSL0, PL0, TDB1, TDT5 and SP1.

<p>Fixed end Ø48,3 x X,X Type BS 1.2</p>	-	<p>Signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT4 and SP1.</p>	<p>Signboard: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT4 and SP1.</p>
<p>758 300 792 792 Fixed end Ø48,3 x X,X Type BS 2.1</p>	<p>Signboard: PAF1, WL1, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL1, DSL0, PL0, TDB1, TDT4 and SP1.</p>	<p>Signboard: PAF1, WL2, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT4, and SP1.</p>	<p>Signboard: PAF1, WL3, DSL0, PL0, TDB5, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT4 and SP1.</p>
<p>788 90 792 792 Fixed end Ø48,3 x X,X Type BS 2.2</p>	-	<p>Signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT3 and SP1.</p>	<p>Signboard: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT4 and SP1.</p>
<p>1128 700 100 100 h x w = 300 x 700 792 Fixed end Type BS 3.1 Ø48,3 x X,X</p>	<p>Circular signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>300 x 700 mm signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL1, DSL0, PL0, TDB1, TDT4 and SP1.</p>	<p>Circular signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>300 x 700 mm signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL2, DSL0, PL0, TDB2, TDT4 and SP1.</p>	<p>Circular signboard: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>300 x 700 mm signboard: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1.</p> <p>Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT5 and SP1.</p>

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<p style="text-align: center;">Sign, sizes and mounting system</p> <p>Pipes: Minimum steel quality: S235 in dimension $\text{\O}48,3 \times 2,9$, $\text{\O}48,3 \times 3,0$, $\text{\O}48,3 \times 3,2$, $\text{\O}60,3 \times 3,6$ and $\text{\O}60,3 \times 4,5$ mm Signboard: Minimum aluminium quality: $R_{p0,2} = 180$ MPa, min. 2 mm thickness</p>		<p style="text-align: center;">Classification according to wind load classes</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Placed in WL1</th> <th style="width: 33%;">Placed in WL2</th> <th style="width: 33%;">Placed in WL3</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">$h \leq 235$ mm and $b \leq 1500$ mm $L \leq 1200$ mm</td> </tr> <tr> <td>PAF1, WL1, DSL0, PL0, TDB2, TDT4, P2, E1 and SP1.</td> <td>PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.</td> <td>PAF1, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.</td> </tr> <tr> <td colspan="3" style="text-align: center;">$h \leq 235$ mm and $b \leq 1750$ mm $L \leq 1200$ mm</td> </tr> <tr> <td>PAF1, WL1, DSL0, PL0, TDB2, TDT5, P2, E1 and SP1.</td> <td>PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.</td> <td>PAF1, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.</td> </tr> <tr> <td colspan="3" style="text-align: center;">$h \leq 235$ mm and $b \leq 2000$ mm $L \leq 1200$ mm</td> </tr> <tr> <td>PAF1, WL1, DSL0, PL0, TDB3, TDT6, P2, E1 and SP1.</td> <td>PAF1, WL2, DSL0, PL0, TDB4, TDT6, P2, E1 and SP1.</td> <td>PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.</td> </tr> </tbody> </table>			Placed in WL1	Placed in WL2	Placed in WL3	$h \leq 235$ mm and $b \leq 1500$ mm $L \leq 1200$ mm			PAF1, WL1, DSL0, PL0, TDB2, TDT4, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	$h \leq 235$ mm and $b \leq 1750$ mm $L \leq 1200$ mm			PAF1, WL1, DSL0, PL0, TDB2, TDT5, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	$h \leq 235$ mm and $b \leq 2000$ mm $L \leq 1200$ mm			PAF1, WL1, DSL0, PL0, TDB3, TDT6, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB4, TDT6, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.
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<p>Upper part, double sign</p>	$h \leq 235 \text{ mm}$ and $b \leq 1500 \text{ mm}$ $L \leq 800 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB2, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, P2, E1 and SP1
<p>Upper part, double sign</p>	$h \leq 235 \text{ mm}$ and $b \leq 1750 \text{ mm}$ $L \leq 800 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, P2, E1 and SP1
<p>Upper part, double sign</p>	$h \leq 235 \text{ mm}$ and $b \leq 2000 \text{ mm}$ $L \leq 800 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, P2, E1 and SP1

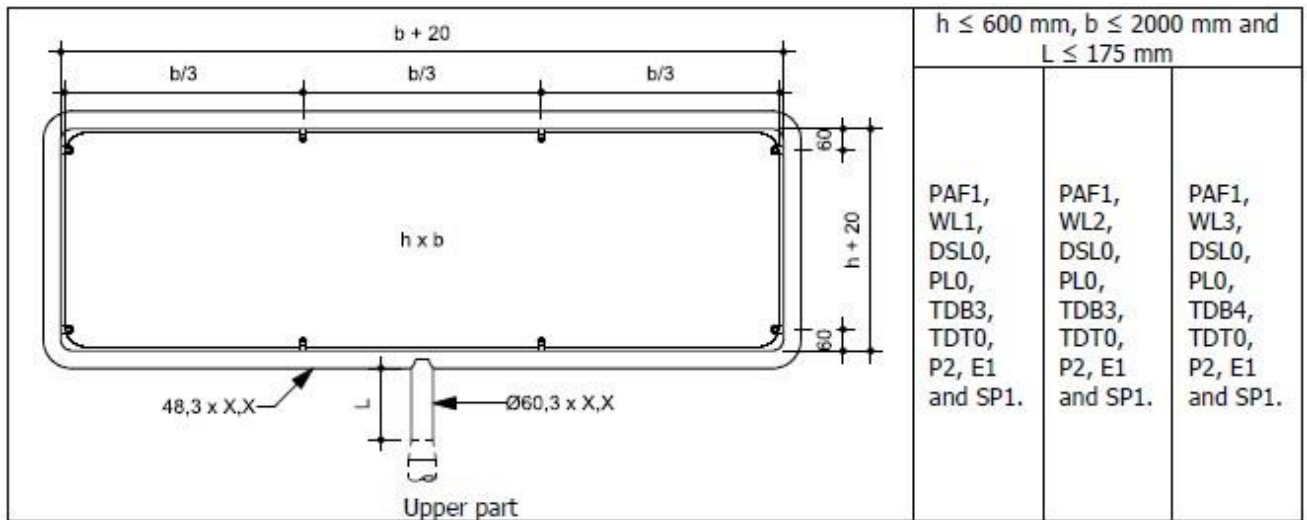
<p>Upper part</p>	$h \leq 800 \text{ mm}$ and $b \leq 650 \text{ mm}$ $L \leq 1000 \text{ mm}$		
PAF1, WL1, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, TDT3, P2, E1 and SP1.	

	$h \leq 700 \text{ mm}$ and $b \leq 700 \text{ mm}$ $L \leq 1000 \text{ mm}$		
<p>Upper part</p>	PAF1, WL1, DSL0, PLO, TDB3, TDT1, P2, E1 and SP1.	PAF1, WL2, DSL0, PLO, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL3, DSL0, PLO, TDB4, TDT3, P2, E1 and SP1.

<p style="text-align: center;">Upper part</p>	$h \leq 700 \text{ mm}, h_1 \leq 300 \text{ mm}$ $\text{and } b \leq 700 \text{ mm}$ $L \leq 700 \text{ mm}$		
<p style="text-align: center;">Upper part</p>	$h \leq 700 \text{ mm}, h_1 \leq 300 \text{ mm}$ $h_2 \leq 300 \text{ mm}$ and $b \leq 700 \text{ mm}$ $L \leq 300 \text{ mm}$		
PAF1, WL1, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, TDT3, P2, E1 and SP1.	
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<p>Upper part</p>	$h \leq 600 \text{ mm}$, $b \leq 1000 \text{ mm}$ and $L \leq 875 \text{ mm}$		
	PAF1, WL1, DSL0, PLO, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL2, DSL0, PLO, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL3, DSL0, PLO, TDB2, TDT0, P2, E1 and SP1.

<p>Upper part</p>	$h \leq 600 \text{ mm}$, $b \leq 1750 \text{ mm}$ and $L \leq 375 \text{ mm}$		
	PAF1, WL1, DSL0, PLO, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL2, DSL0, PLO, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL3, DSL0, PLO, TDB2, TDT0, P2, E1 and SP1.



Resistance to horizontal loads		NPD To be declared on the support
Resistance to bending		NPD To be declared on the support
Resistance to torsion		NPD To be declared on the support
Fixings:		Pass. The signs, sizes and gallows are intended for mounting at the top of another straight steel pipe. Together the gallows and the straight steel is the support for the sign. M6 Screws, nuts and washers are minimum A2, class 70 ($f_{y,b} = 450 \text{ MPa}$).
Temporary deflection (supports) -bending -torsion		NPD To be declared on the support
Permanent deflection		NPD
Performance under vehicle impact		NPD To be declared on the support

Visibility		Value/description/ class/reference
Retroreflective signs: Daylight chromaticity & luminance factor	3M Advanced Engineering Grade Prismatic 7930	ETA 16/0006 ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290 ETA 17/0491
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG	ETA 18/0405 ETA 17/0490
	3M Flexible Engineer Grade Prismatic 7600	ETA 19/0839
Non retroreflective signs: Daylight chromaticity & luminance factor		NPD
Retroreflective signs: Coefficient of retroreflection R _A	3M Advanced Engineering Grade Prismatic 7930	ETA 16/0006 ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290 ETA 17/0491
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG	ETA 18/0405 ETA 17/0490
	3M Flexible Engineer Grade Prismatic 7600	ETA 19/0839
External illumination		Value/description /class
mean illuminance,		NPD
uniformity of illuminance		NPD
Durability		Value/description /class
Impact resistance Sign face material	3M Advanced Engineering Grade Prismatic 7930	Pass ETA 16/0006 ETA 17/0465
	3M High Intensity Prismatic 3930	Pass ETA 18/0290 ETA 17/0491
	3M Engineering Grade Prismatic 3430	Pass ETA 12/0550 ETA 10/0118

	3M Diamond Grade DG 3M Flexible Engineer Grade Prismatic 7600	Pass ETA 18/0405 ETA 17/0490 Pass, ETA 19/0839
Resistance to weathering – sign face material: Retroreflective signs	3M Advanced Engineering Grade Prismatic 7930 3M High Intensity Prismatic 3930 3M Engineering Grade Prismatic 3430 3M Diamond Grade DG 3M Flexible Engineer Grade Prismatic 7600	ETA 16/0006 ETA 17/0465 ETA 18/0290 ETA 17/0491 ETA 12/0550 ETA 10/0118 ETA 18/0405 ETA 17/0490 ETA 19/0839
Resistance to weathering – sign face material: Non retroreflective signs		NPD
Corrosion resistance		Value/description/class/reference
Steel pipes and fins		Minimum S235 SP1 The pipe and fins are after manufacturing hot dip galvanized to a minimum of 60µm
Screws, nuts and washers		SP2 Minimum A2, Class 70
Aluminum plate		SP1 Lacquered Al-plate on exposed side if any
Resistance to penetration of dust and water		NPD The product can not be provided with compartments for electrical equipment

File number	Title	Date
None	Saferoad Danmark A/S Calculation of minor traffic signs (ITC) Type BS, upper part Ø48,3 x 2,9, Ø48,3 x 3,0, and Ø48,3 x 3.2 mm steel pipes.	September 2016
	Saferoad Danmark A/S Calculation of minor traffic signs (ITC) Type BS, upper part Ø48,3 x 2,9, Ø48,3 x 3,0, and Ø48,3 x 3.2 mm steel pipes. Revision 01	June 2017
	Saferoad Danmark A/S Calculation of minor traffic signs (ITC) Shapes and sizes for signs mounted in gallows type GS, Revision 01	January 2018
	3M Advanced Engineering Grade Prismatic 7930 ETA 16/0006 ETA 17/0465	2016-03-03 2017-07-26
	3M High Intensity Prismatic 3930 ETA 18/0290 ETA 17/0491	2018-06-21 2017-07-26
	3M Engineering Grade Prismatic 3430 ETA 12/0550 ETA 10/0118	2016-02-10 2018-06-06
	3M Diamond Grade DG ETA 18/0405 ETA 17/0490	2018-06-21 2017-07-26
	3M Flexible Engineer Grade Prismatic 7600 ETA 19/0839	2020-04-17

10. Underskrevet for fabrikanten og på dennes vegne af:

Ydeevnen for den vare, der er anført i punkt 1 og 2, er i overensstemmelse med den deklarerede ydeevne anført i punkt 9. Denne ydeevnedeklaration er udarbejdet i overensstemmelse med forordning (EU) nr. 305/2011 på eneansvar af den producent, der er anført i punkt 4.

Ydeevnen er underskrevet for og på vegne af producenten af:

Odense d. 12-12-2024



Mads Norman
Adm. direktør