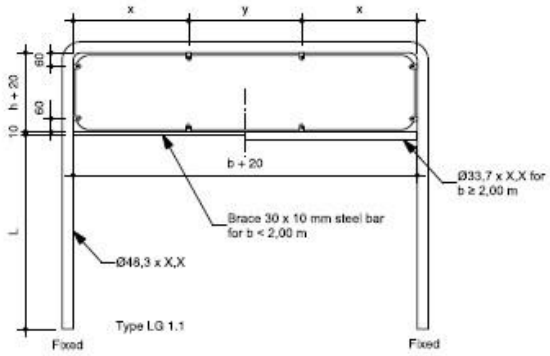
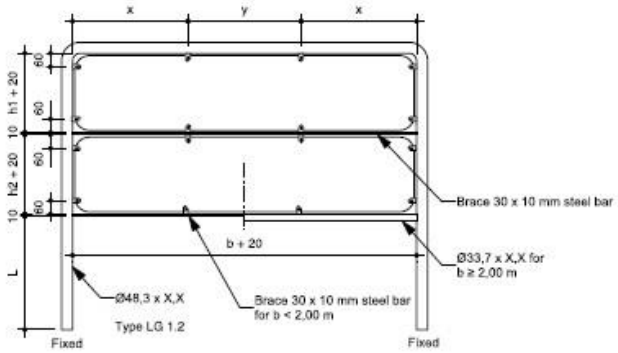
YDEEVNEDEKLARATION

Nr.: SR 00027

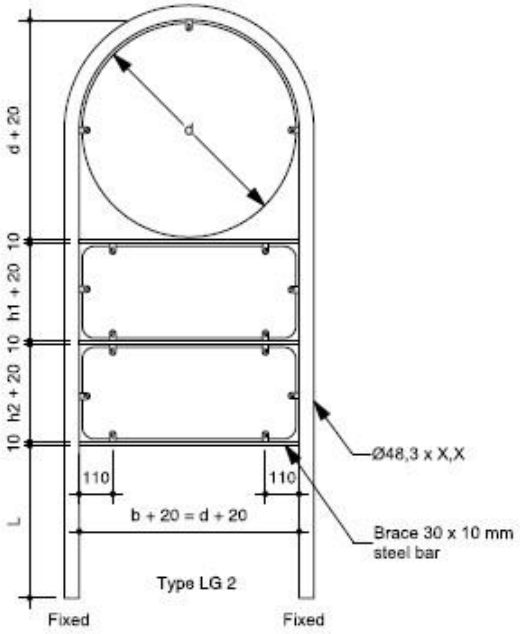
1. Byggevaretype:	**Faste lodrette trafikskilte**
2. Byggevareidentifikation:	**Lave Galger for skilte**
3. Byggevarens tilsigtede anvendelse:	**Lave Galger til montage af lodrette trafikskilte.**
4. Producentens Navn og adresse:	**Saferoad Traffic A/S** **Hvidkærvej 33** **5250 Odense SV**
5. Systemerne 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-CSC10027**

9. Deklareret ydeevne:

Description and classification:

Sign, sizes and mounting system Pipes: Minimum steel quality: S235 in dimension Ø33,7 x 3,2, Ø48,3 x 2,9, Ø48,3 x 3,0 and Ø48,3 x 3,2 mm Signboard: Minimum aluminium 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
	h ≤ 500 mm, b ≤ 2500 mm and L ≤ 500 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.
	h1 ≤ 330 mm, b ≤ 1750 mm and L ≤ 500 + h2 + 30 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.
	h1 ≤ 330 mm, h2 ≤ 330 mm, b ≤ 3000 mm and L ≤ 500 mm		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, P2, E1 and SP1.
	h1 ≤ 330 mm, h2 ≤ 330 mm, b ≤ 3500 mm and L ≤ 500 mm		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB4, P2, E1 and SP1.	

b	Numbers of braces	Meassures for braces						
1000	2	344	332	344				
1250	2	426	418	426				
1500	2	510	500	510				
1750	2	593	584	593				
2000	2	677	666	677				
2250	4	460	450	450	450	460		
2500	4	510	500	500	500	510		
2750	4	560	550	550	550	560		
3000	5	510	500	500	500	500	510	
3250	6	475	464	464	464	464	464	475
3500	6	510	500	500	500	500	500	510

Sign, sizes and mounting system Pipes: Minimum steel quality: S235 in dimension Ø33,7 x 3,2, Ø48,3 x 2,9, Ø48,3 x 3,0 and Ø48,3 x 3,2 mm Signboard: Minimum aluminium 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
	d ≤ 700 mm and L ≤ h1 + h2 + 60 + 500 m		
	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.
	d ≤ 700 mm, h1 ≤ 300 mm and L ≤ h2 + 30 + 500 m		
	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.
	d ≤ 700 mm, h1 ≤ 300 mm, h2 ≤ 300 mm and L ≤ 500 m		
	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.

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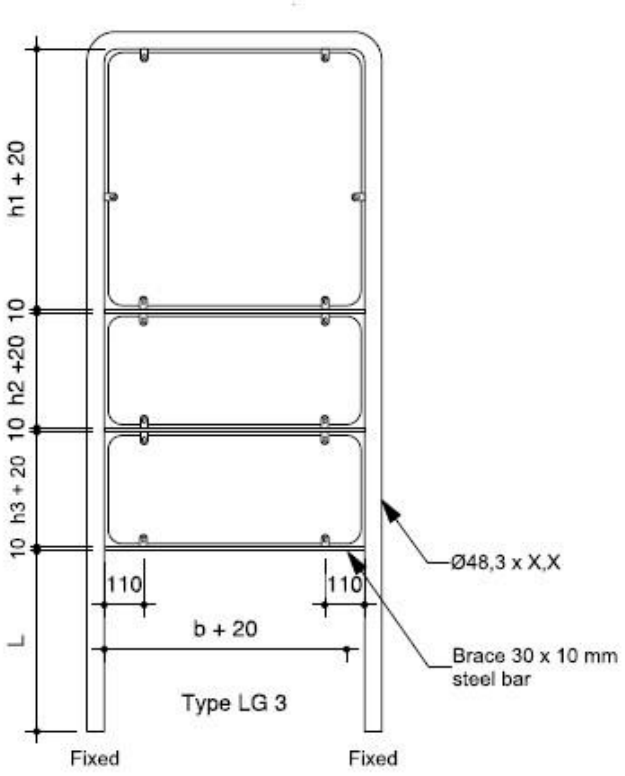	h1 ≤ 700 mm, b ≤ 700 mm and L ≤ h2 + h3 + 60 + 500 m		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, P2, E1 and SP1.
	h1 ≤ 700 mm, h2 ≤ 300 mm, b ≤ 700 mm and L ≤ h3 + 30 + 500 m		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, P2, E1 and SP1.
	h1 ≤ 700 mm, h2 ≤ 300 mm, h3 ≤ 300 mm, b ≤ 700 mm and L ≤ 500 mm		
	PAF1, WL1, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, P2, E1 and SP1.

Resistance to horizontal loads		NPD
Resistance to bending		NPD
Resistance to torsion		NPD
Fixings:		Pass. M6 Screws, nuts and washers M6: fy ≥ 320 MPa Pressure force for tightening: 2 kN
Temporary deflection (supports) -bending -torsion		NPD

Permanent deflection		NDP
Performance under vehicle impact		NPD

Visibility		**Value/description/class/reference**
Retroreflective signs: Daylight chromaticity & luminance factor	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
Non retroreflective signs: Daylight chromaticity & luminance factor		NPD
Retroreflective signs: Coefficient of retroreflection R_A	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
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 3M High Intensity Prismatic 3930	Pass ETA 16/0006 ETA 17/0465 Pass ETA 18/0290

	3M Engineering Grade Prismatic 3430 3M Diamond Grade DG 3M Flexible Engineer Grade Prismatic 7600	ETA 17/0491 Pass ETA 12/0550 ETA 10/0118 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		M6: $f_y \geq 320$ MPa Stainless steel SP2 or anodized aluminum SP1
Aluminum plate		Minimum Rp0,2 ≥180 MPa 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

Technical Basis

Title	Date
Saferoad Danmark A/S Calculation of minor traffic signs (ITC) Shapes and sizes for signs mounted in gallows type LG, Revision 02	March 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