



YDEEVNEDEKLARATION

Nr.: SR 00016

1. Byggevarere type:	Faste lodrette trafikskilte.
2. Byggevarere identifikation:	Rørgalger til montage af færdselstavler.
3. Byggevarerens 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 byggevarerens 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 $\varnothing 48,3 \times 2,9$, $\varnothing 48,3 \times 3,0$ and $\varnothing 48,3 \times 3,2$ 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.

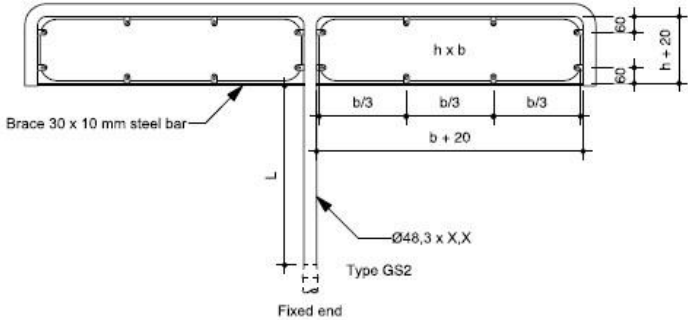
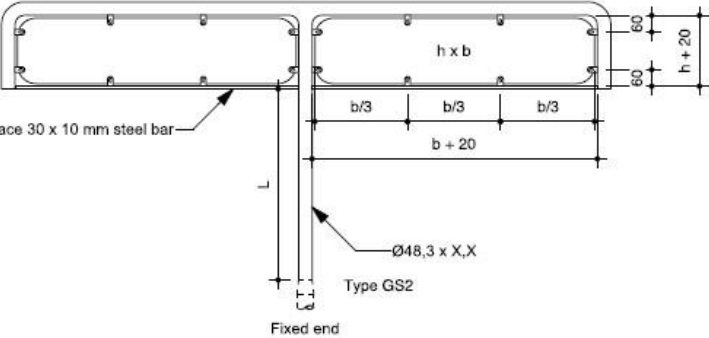
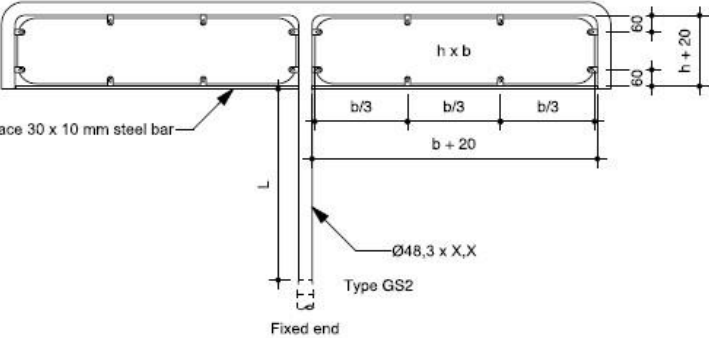


Fixed end Ø48,3 x X,X Type BS 1.2		Signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT4 and SP1.	Signboard: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1. Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT4 and SP1.
758 300 792 792 Fixed end Ø48,3 x X,X Type BS 2.1	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, TDB2, TDT4 and SP1.
788 90 792 792 Fixed end Ø48,3 x X,X Type BS 2.2		Signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL2, DSL0, PL0, TDB1, TDT3 and SP1.	Signboard: PAF1, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1. Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT4 and SP1.
1128 792 100 20 20 h x w = 300 x 700 Fixed end Ø48,3 x X,X Type BS 3.1	Circular signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 300 x 700 mm signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL1, DSL0, PL0, TDB1, TDT4 and SP1.	Circular signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 300 x 700 mm signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL2, DSL0, PL0, TDB2, TDT4 and SP1.	Circular signboard: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 300 x 700 mm signboard: PAF1, WL3, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL3, DSL0, PL0, TDB2, TDT5 and SP1.

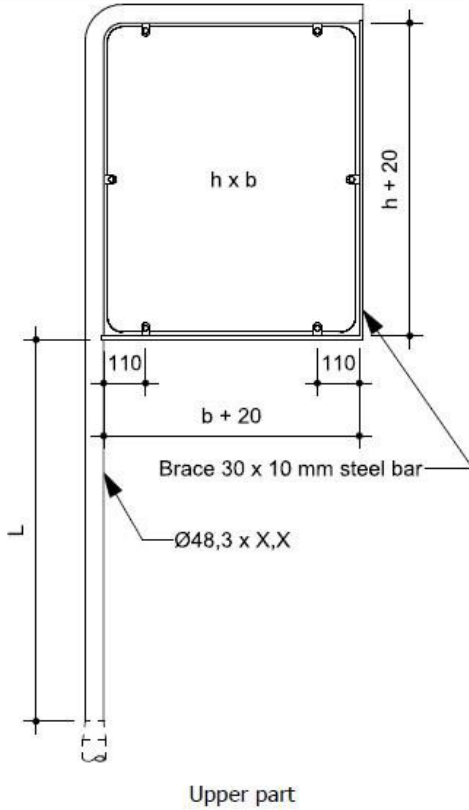


	Circular signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 300 x 700 mm signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 600 x 700 mm signboard: PAF1, WL1, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. Gallows: PAF1, WL1, DSL0, PL0, TDB3, TDT5 and SP1.	Signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 300 x 700 mm signboard: PAF1, WL2, DSL0, PL0, TDB3, TDT0, P2, E1 and SP1. 600 x 700 mm signboard: PAF1, WL2, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1. Gallows: PAF1, WL2, DSL0, PL0, TDB3, TDT6 and SP1	-	
Sign, sizes and mounting system Pipes: Minimum steel quality: S235 in dimension Ø48,3 x 2,9, Ø48,3 x 3,0, Ø48,3 x 3,2, Ø60,3 x 3,6 and Ø60,3 x 4,5 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 ≤ 235 mm and b ≤ 1500 mm L ≤ 1200 mm		
		PAF1, WL1, DSL0, PL0, TDB2, TDT4, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	PAF1, WL3, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.
		h ≤ 235 mm and b ≤ 1750 mm L ≤ 1200 mm		
		PAF1, WL1, DSL0, PL0, TDB2, TDT5, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.	PAF1, WL3, WL3, DSL0, PL0, TDB3, TDT5, P2, E1 and SP1.
		h ≤ 235 mm and b ≤ 2000 mm L ≤ 1200 mm		
PAF1, WL1, DSL0, PL0, TDB3, TDT6, P2, E1 and SP1.	PAF1, WL2, WL2, DSL0, PL0, TDB4, TDT6, P2, E1 and SP1.	PAF1, WL3, WL3, DSL0, PL0, TDB4, TDT0, P2, E1 and SP1.		

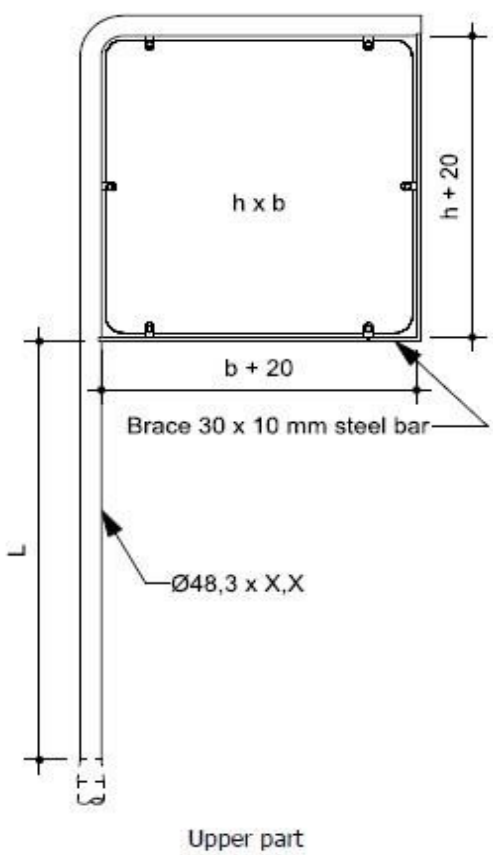


 Upper part, double sign	$h \leq 235 \text{ mm}$ and $b \leq 1500 \text{ mm}$ $L \leq 800 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB2, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB3, P2, E1 and SP1
 Upper part, double sign	$h \leq 235 \text{ mm}$ and $b \leq 1750 \text{ mm}$ $L \leq 800 \text{ mm}$		
	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
 Upper part, double sign	$h \leq 235 \text{ mm}$ 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

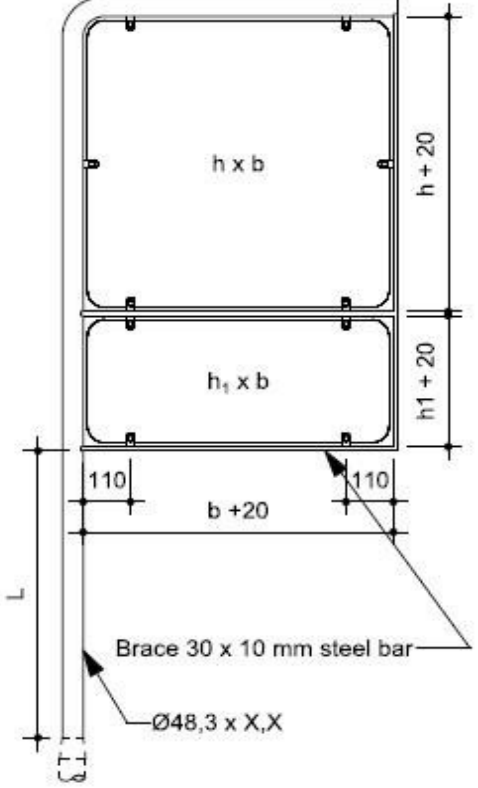
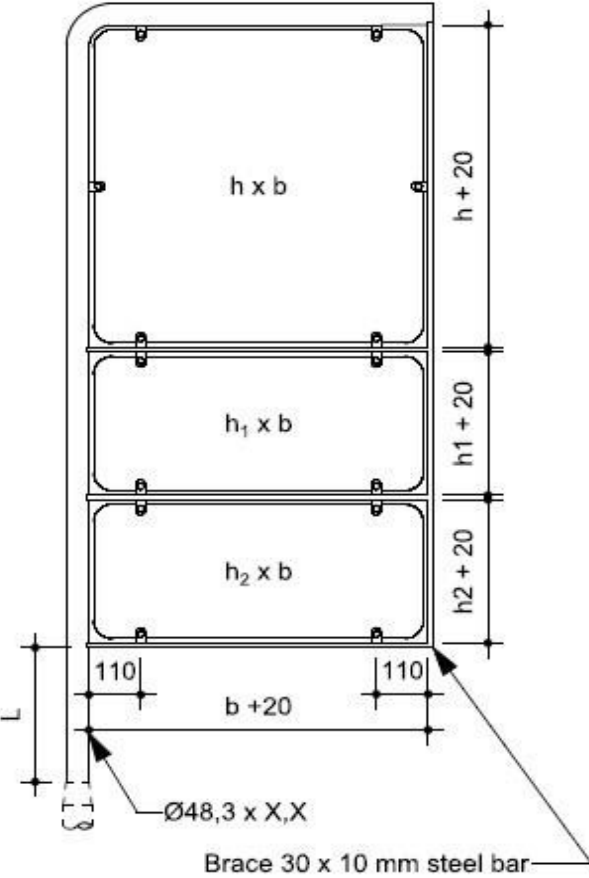


 Upper part	$h \leq 800 \text{ mm}$ and $b \leq 650 \text{ mm}$ $L \leq 1000 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB4, TDT3, P2, E1 and SP1.

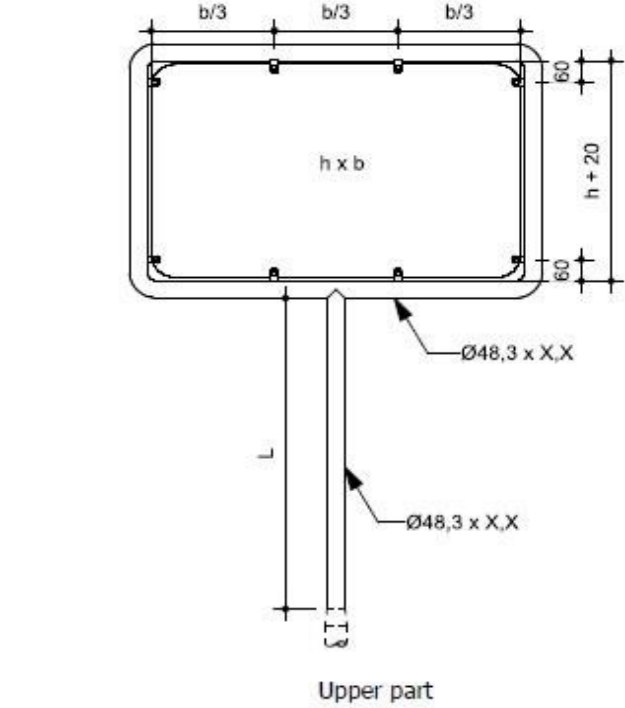
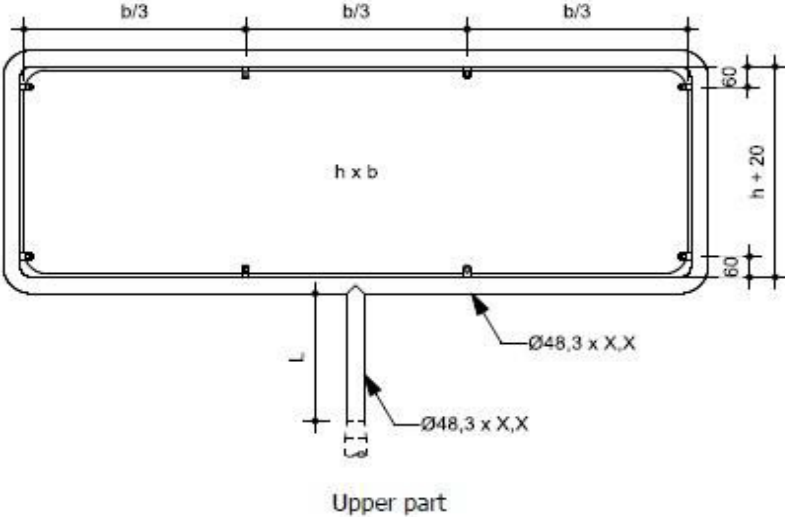


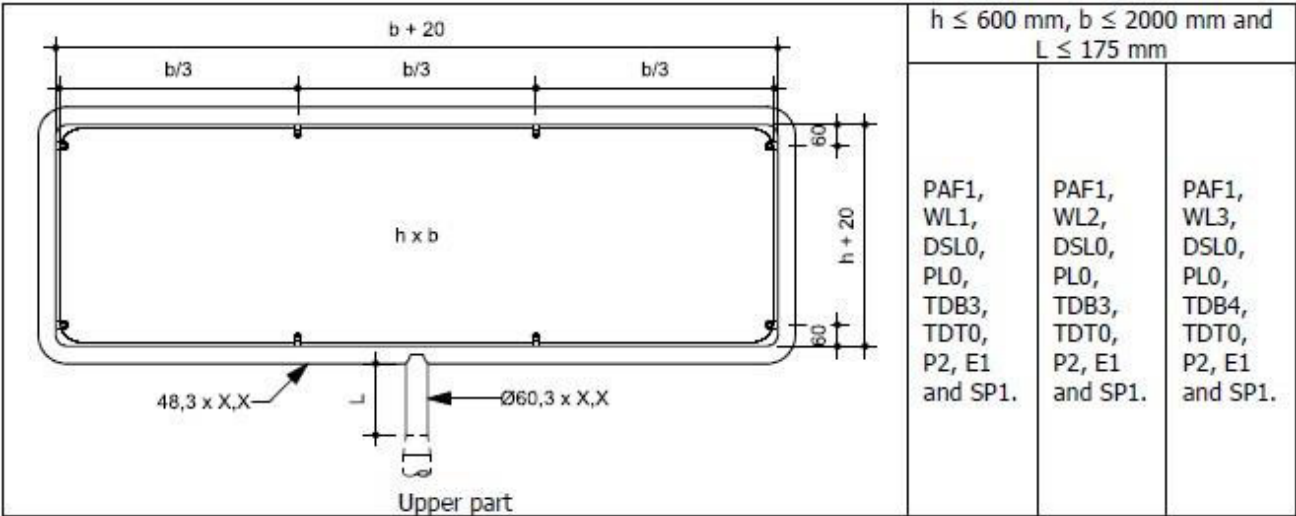
	$h \leq 700 \text{ mm}$ and $b \leq 700 \text{ mm}$ $L \leq 1000 \text{ mm}$		
	PAF1, WL1, DSL0, PLO, TDB3, TDT1, P2, E1 and SP1.	PAF1, WL2, DSL0, PLO, TDB3, TDT2, P2, E1 and SP1.	PAF1, WL3, DSL0, PLO, TDB4, TDT3, P2, E1 and SP1.



 Upper part	$h \leq 700 \text{ mm}$, $h_1 \leq 300 \text{ mm}$ and $b \leq 700 \text{ mm}$ $L \leq 700 \text{ mm}$		
	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.
 Upper part	$h \leq 700 \text{ mm}$, $h_1 \leq 300 \text{ mm}$ $h_2 \leq 300 \text{ mm}$ and $b \leq 700 \text{ mm}$ $L \leq 300 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.



 Upper part	$h \leq 600 \text{ mm}$, $b \leq 1000 \text{ mm}$ and $L \leq 875 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, TDB2, TDT0, P2, E1 and SP1.
 Upper part	$h \leq 600 \text{ mm}$, $b \leq 1750 \text{ mm}$ and $L \leq 375 \text{ mm}$		
	PAF1, WL1, DSL0, PL0, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL2, DSL0, PL0, TDB1, TDT0, P2, E1 and SP1.	PAF1, WL3, DSL0, PL0, 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 galls are intended for mounting at the top of another straightsteel pipe. Together the galls and the straightsteel is the support for the sign. M6 Screws, nuts and washers are minimum A2, class 70 (fy,b = 450 MPa).
Temporary deflection (supports) -bending -torsion		NPD To be declared on the support
Permanent deflection		NDP
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 3M High Intensity Prismatic 3930 3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS 3M Engineering Grade Prismatic 3430 3M Diamond Grade DG 4000 3M™ Diamond Grade™ DG Reflective Digital Sheeting Series 4000UDS 3M Flexible Engineer Grade Prismatic 7600	ETA 16/0006 ETA 17/0465 ETA 18/0290 ETA 17/0491 ETA 24/0244 ETA 12/0550 ETA 10/0118 ETA 18/0405 ETA 17/0490 ETA 24/0246 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™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS	ETA 24/0244
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG 4000	ETA 18/0405 ETA 17/0490
	3M™ Diamond Grade™ DG Reflective Digital Sheeting Series 4000UDS	ETA 24/0246
	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	ETA 16/0006 ETA 17/0465
	3M High Intensity Prismatic 3930	ETA 18/0290 ETA 17/0491
	3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS	ETA 24/0244
	3M Engineering Grade Prismatic 3430	ETA 12/0550 ETA 10/0118
	3M Diamond Grade DG 4000	ETA 18/0405 ETA 17/0490
	3M™ Diamond Grade™ DG Reflective Digital Sheeting Series 4000UDS	ETA 24/0246
	3M Flexible Engineer Grade Prismatic 7600	ETA 19/0839



Resistance to weathering – sign face material: Retroreflective signs	3M Advanced Engineering Grade Prismatic 7930 3M High Intensity Prismatic 3930 3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS 3M Engineering Grade Prismatic 3430 3M Diamond Grade DG 4000 3M™ Diamond Grade™ DG Reflective Digital Sheeting Series 4000UDS 3M Flexible Engineer Grade Prismatic 7600	ETA 16/0006 ETA 17/0465 ETA 18/0290 ETA 17/0491 ETA 24/0244 ETA 12/0550 ETA 10/0118 ETA 18/0405 ETA 17/0490 ETA 24/0246 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



Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
StrausZert	0913-CPR-2024/28 (Certificate of constancy of performance)	2024-08-19
	Annex to Certificate of constancy of performance (0913-CPR-2024/28)	2024-08-30
	Declaration of Performance	2024-09-11

Annex 3

TECHNICAL BASIS

Title	Date
Saferoad Daluiso 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 Daluiso 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 Daluiso A/S Calculation of minor traffic signs (ITC) Shapes and sizes for signs mounted in gallows type GS, Revision 01	January 2018
3M Advanced Engineer Grade Prismatic 7930: ETA 16/0006 ETA 17/0465	2016-03-03 2017-07-26
3M High Intensity Prismatic 3930 ETA 17/0491 ETA 18/0290	2017-07-26 2018-06-21
3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS ETA 24/0244	2024-08-19
3M Engineering Grade Prismatic 3430: ETA 10/0118 ETA 12/0550	2016-02-10 2018-06-06
3M Diamond Grade DG 4000: ETA 18/0405 ETA 17/0490	2018-06-21 2019-06-05
3M™ Diamond Grade™ DG Reflective Digital Sheeting Series 4000UDS ETA 24/0246	2024-08-19
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. 11-06-2025

Klaus Jørgensen
Adm. direktør

Signed by:
Klaus Jørgensen
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