

YDEEVNEDEKLARATION nr. IG10013

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|---|---|
| 1. Byggevaretype: | Faste lodrette trafikskilte. |
| 2. Byggevareidentifikation: | Lodret rørstander for skilte. |
| 3. Byggevarens tilsigtede anvendelse(r): | Rørstander til montage af lodrette trafikskilte. |
| 4. Fabrikantens navn og adresse: | Infra Group Danmark ApS
Industrivej 17
5750 Ringe |
| 5. Navn og adresse på den bemyndigede repræsentant: | Ikke relevant. |
| 6. Systemerne for vurdering og kontrol af konstansen af byggevarens ydeevne (AVCP): | System 1 |
| 7. Harmoniseret standard: | EN 12899-1:2007 |
| Notificeret organ: | DBI Certification A/S, Notified Body no. 2531 har udført og udfører indledende inspektion af fabriksanlæg og egen produktionskontrol, samt kontinuerlig overvågning, vurdering og evaluering af fabrikens egenkontrol (FPC) efter system 1. |

8. Deklareret ydeevne

Type	Description																																																																																										
Dimensions: OD 33,7 x 3,2 mm OD 48,3 x 2,9 mm OD 48,3 x 3,0 mm OD 48,3 x 3,2 mm OD 48,3 x 4,0 mm OD 60,3 x 3,6 mm OD 60,3 x 4,5 mm OD 76,1 x 3,6 mm OD 76,1 x 4,5 mm OD 88,9 x 3,2 mm OD 88,9 x 4,0 mm OD 88,9 x 4,8 mm OD 114,3 x 4,5 mm OD 114,3 x 5,0 mm OD 114,3 x 5,4 mm Material: Steel S235JRH, S235JOH or S235J2H Hot dip galvanized coating, minimum 60 μm	Resistance to horizontal loads, bending, torsion: <table><tr><th></th><th colspan="2">Bending</th><th colspan="2">Torsion</th></tr><tr><th>Steel pipe</th><th>Max moment</th><th>Stiffness</th><th>Max torque</th><th>Stiffness</th></tr><tr><th>mm</th><th>kNm</th><th>kNm²</th><th>kNm</th><th>kNm²</th></tr><tr><td>33,7 x 3,2</td><td>0,50</td><td>7,57</td><td>0,58</td><td>5,84</td></tr><tr><td>48,3 x 2,9</td><td>1,04</td><td>22,5</td><td>1,20</td><td>17,3</td></tr><tr><td>48,3 x 3,0</td><td>1,07</td><td>23,1</td><td>1,24</td><td>17,8</td></tr><tr><td>48,3 x 3,2</td><td>1,13</td><td>24,3</td><td>1,30</td><td>18,8</td></tr><tr><td>48,3 x 4,0</td><td>1,34</td><td>28,9</td><td>1,55</td><td>22,3</td></tr><tr><td>60,3 x 3,6</td><td>2,02</td><td>54,3</td><td>2,33</td><td>41,9</td></tr><tr><td>60,3 x 4,5</td><td>2,41</td><td>64,9</td><td>2,78</td><td>50,1</td></tr><tr><td>76,1 x 3,6</td><td>3,34</td><td>113</td><td>3,85</td><td>87,5</td></tr><tr><td>76,1 x 4,5</td><td>4,02</td><td>137</td><td>4,64</td><td>105</td></tr><tr><td>88,9 x 3,2</td><td>4,19</td><td>166</td><td>4,84</td><td>128</td></tr><tr><td>88,9 x 4,0</td><td>5,09</td><td>202</td><td>5,88</td><td>156</td></tr><tr><td>88,9 x 4,8</td><td>5,95</td><td>236</td><td>6,87</td><td>182</td></tr><tr><td>114,3 x 4,5</td><td>9,64</td><td>492</td><td>11,1</td><td>380</td></tr><tr><td>114,3 x 5,0</td><td>10,6</td><td>540</td><td>12,2</td><td>416</td></tr><tr><td>114,3 x 5,4</td><td>11,3</td><td>577</td><td>13,0</td><td>445</td></tr></table>		Bending		Torsion		Steel pipe	Max moment	Stiffness	Max torque	Stiffness	mm	kNm	kNm ²	kNm	kNm ²	33,7 x 3,2	0,50	7,57	0,58	5,84	48,3 x 2,9	1,04	22,5	1,20	17,3	48,3 x 3,0	1,07	23,1	1,24	17,8	48,3 x 3,2	1,13	24,3	1,30	18,8	48,3 x 4,0	1,34	28,9	1,55	22,3	60,3 x 3,6	2,02	54,3	2,33	41,9	60,3 x 4,5	2,41	64,9	2,78	50,1	76,1 x 3,6	3,34	113	3,85	87,5	76,1 x 4,5	4,02	137	4,64	105	88,9 x 3,2	4,19	166	4,84	128	88,9 x 4,0	5,09	202	5,88	156	88,9 x 4,8	5,95	236	6,87	182	114,3 x 4,5	9,64	492	11,1	380	114,3 x 5,0	10,6	540	12,2	416	114,3 x 5,4	11,3	577	13,0	445
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		Performance under vehicle impact: <table><tr><th>Steel pipe</th><th>Speed class</th><th>Energy absorption category</th><th>Occupant safety level</th></tr><tr><th>mm</th><th></th><th></th><th></th></tr><tr><td>33,7 x 3,2</td><td>100</td><td>NE</td><td>2</td></tr><tr><td>48,3 x 2,9</td><td>100</td><td>NE</td><td>2</td></tr><tr><td>48,3 x 3,0</td><td>100</td><td>NE</td><td>2</td></tr><tr><td>48,3 x 3,2</td><td>100</td><td>NE</td><td>2</td></tr><tr><td>48,3 x 4,0</td><td>-</td><td>-</td><td>0</td></tr><tr><td>60,3 x 3,6</td><td>-</td><td>-</td><td>0</td></tr><tr><td>60,3 x 4,5</td><td>-</td><td>-</td><td>0</td></tr><tr><td>76,1 x 3,6</td><td>-</td><td>-</td><td>0</td></tr><tr><td>76,1 x 4,5</td><td>-</td><td>-</td><td>0</td></tr><tr><td>88,9 x 3,2</td><td>100</td><td>NE</td><td>2</td></tr><tr><td>88,9 x 4,0</td><td>-</td><td>-</td><td>0</td></tr><tr><td>88,9 x 4,8</td><td>-</td><td>-</td><td>0</td></tr><tr><td>114,3 x 4,5</td><td>-</td><td>-</td><td>0</td></tr><tr><td>114,3 x 5,0</td><td>-</td><td>-</td><td>0</td></tr><tr><td>114,3 x 5,4</td><td>-</td><td>-</td><td>0</td></tr></table>	Steel pipe	Speed class	Energy absorption category	Occupant safety level	mm				33,7 x 3,2	100	NE	2	48,3 x 2,9	100	NE	2	48,3 x 3,0	100	NE	2	48,3 x 3,2	100	NE	2	48,3 x 4,0	-	-	0	60,3 x 3,6	-	-	0	60,3 x 4,5	-	-	0	76,1 x 3,6	-	-	0	76,1 x 4,5	-	-	0	88,9 x 3,2	100	NE	2	88,9 x 4,0	-	-	0	88,9 x 4,8	-	-	0	114,3 x 4,5	-	-	0	114,3 x 5,0	-	-	0	114,3 x 5,4	-	-	0																					
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9. Ydeevnen for den byggevare, der er anført i punkt 1 og 2, er i overensstemmelse med den deklarerede ydeevne i punkt 8. Denne ydeevnedeklaration udstedes på eneansvar af den fabrikant, der er anført i punkt 4.

Underskrevet for og på vegne af fabrikanten:



Christian Daluiso, Adm. Direktør

Odense d. 14. september 2017