



**AVANTI WIND SYSTEMS
TEST FORM- RAIL SYSTEMS**



EN 353-1 : 2002 CSA : Z259.2.1-98

Date:	<input style="width:100%;" type="text"/>	Competent's name:	<input style="width:100%;" type="text"/>
Address of installation:	<input style="width:100%;" type="text"/>	Tower No./Rail serial Nr.:	<input style="width:100%;" type="text"/>
Torque wrench S/N:	<input style="width:100%;" type="text"/>	Calibration date:	<input style="width:100%;" type="text"/>

RUNG FITTINGS	Status	ISSUE DESCRIPTION/ COMMENTS
1 Mounted at the beginning and end of each rail		
2 Mounted at least every 3 rd step from bottom and up		
3 At each fitting the nut are tightened with 8 Nm		
4 Fittings got original shape without crack or similar deformation		
5 All hammerhead bolts are mounted with head marking indicating proper head angel of 70° to the rail		
6 General all fittings are found in good condition		
RAIL CONNECTIONS	Status	ISSUE DESCRIPTION/ COMMENTS
7 All rail connections has an air gap of minimum 1 mm / 0,0394 inc. and no gaps are larger than 4 mm / 0,1575 inc.		
8 Each fish joint are proper mounted with two hammerhead bolts at each rail end, and nuts tightened with 8 Nm		
9 All hammerhead bolts are mounted with head marking indicating proper head angel of 70° to the rail		
10 General all rail connections are found in good condition		
RAIL	Status	ISSUE DESCRIPTION/ COMMENTS
11 Are without sharp endings?		
12 Got original shape without crack or similar deformation?		
13 Looking from front, does the guide claue sit at the left side		
14 The guide claue has normal shape and no deep scratches, cracks or dents		
15 All hammerhead bolts are mounted with head marking indicating proper head angel of 70° to the rail		
16 General the whole rail arrangement are found in good condition		
GENERAL	Status	ISSUE DESCRIPTION/ COMMENTS
17 The rail and fittings are in clean condition		
18 Top and bottom End-stops are mounted and tightened with 8 Nm		
19 Label and marking is legible		
20 Are hammerhead bolts and nuts (self locking) in stainless material?		
FINAL ASSESTMENT	Status	ISSUE DESCRIPTION/ COMMENTS
21 Entire rail installation found with good and safe characteristics (final approval)		Name of competent(s):
		Signature of competent(s):

Competent inspection may only be performed by AVANTI or Competent person certified by AVANTI. Each 12th month competent inspection has to be carried out, and this filled form must be filed for possible later reference.