



Brifen Wire Rope Safety Barrier

Installation Checklist

1. END / INTERMEDIATE ANCHORAGES		Y	N
1.1	Excavations - dimensions as per drawings as supplied by CSP Pacific - vertical sides		
1.2	Anchor frame - correctly positioned in accordance with drawings		
1.3	Concrete to grade 25 Mpa (minimum)		
1.4	Compaction using internal vibration		
1.5	Trowelled finish to all exposed surfaces, & top surface formed as per drawings supplied		
2. POST FOUNDATIONS		Y	N
2.1	Excavation – minimum 300mm diameter and 750mm deep when ground conditions meet or exceed AASHTO standard soil with a fully compacted base. (refer test 2.6)		
2.2	Concrete to grade 25 Mpa (minimum)		
2.3	Reinforcing ring 60mm below ground level		
2.4	20mm crown on top surface for drainage		
2.5	Trowelled finish to top surface		
2.6	Satisfactory pull/push test to establish the foundation's resistance to bending moment (if required by Engineer)		
2.7	Post spacing in accordance with the contract		
2.8	Alignment - with all posts inserted is a good alignment achieved? Height variation less than ± 10 mm in any 10m length		

Notes:

More information on **Brifen Wire Rope Safety Barrier** can be found at www.csppacific.co.nz or call **0800 655 200**

Leading road side and barrier systems supplier

CSP PACIFIC

306 Neilson St, Onehunga,
PO Box 12 949, Penrose,
Auckland 1642, New Zealand
www.csppacific.co.nz



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3. POSTS		Y	N
3.1	Correct placement of deflection posts at end and intermediate anchorages		
3.2	Post caps in place		
3.3	Reflectors in accordance with contract		
3.4	Side pegs/hooks in place to support the lower ropes		
3.5	Plastic Z-washer in place to prevent debris entering the socket		
3.6	Driven posts to have no measurable damage to the slot in the top of the post		
3.7	Surface mounted posts adequately bolted down (if used)		

4. ROPES		Y	N
4.1	Lower ropes correctly interwoven between posts		
4.2	Top ropes positioned in the slots in the top of each post		
4.3	Safety check ropes fitted at each anchor and clevis fittings secured with split pins		
4.4	Rope heights as per Brifen WRS Barrier drawings subject to $\pm 30\text{mm}$ tolerance		
4.5	No evidence of broken wires, or other damage to ropes		
4.6	Ropes correctly attached to anchors using steel backing plates and HDPE inserts		

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5. RIGGING SCREWS		Y	N
5.1	Minimum of 25mm of thread engaged at each threaded terminal		
5.2	Densotape or waterproof grease applied to all exposed threads to prevent corrosion and enable easy re-tensioning in the future (optional)		
5.3	No signs of damage to threaded fittings or rigging screws		

6. TENSION		Y	N
6.1	Rope tension checked at regular intervals and in accordance with Tensioning Table A on page 12 of Product & Install Manual		

Notes:

Location:			
Installed by:		Date:	
Inspected by:		Date:	

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