ANNEX F

Full-Scale Beam Tests Data
Final State of Cracking

Base lengths of the rosette:
- $R_{0^\circ} = 25.0$ cm
- $R_{45^\circ} = 27.7$ cm
- $R_{90^\circ} = 25.0$ cm

Load-deflection response

Load-rotation response

Load versus rosette displacements

Load (kN)

Displacement (mm)

Figure F.1. 20×30 SFRC 1
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Base lengths of the rosette:  
R 0° = 25.1 cm  
R 45° = 28.4 cm  
R 90° = 25.2 cm

Load-deflection response

Load-rotation response

Figure F.2. 20×45 SFRC 1
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.3. 20×60 SFRC 1
Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.4. T10×50 SFRC 1
Annex F – Full-Scale Beam Test Data

Final State of Cracking

![Diagram of Final State of Cracking]

Load-deflection response

![Graph of Load-deflection response]

Load versus rosette displacements

![Graph of Load versus rosette displacements]

Load-rotation response

![Graph of Load-rotation response]

Figure F.5. T15x50 SFRC 1
Final State of Cracking

Load versus rosette displacements

Load-deflection response

Load-rotation response

Figure F.6. T15×75 SFRC 1
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.7. T15×100 SFRC 1
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.8. 20×30 SFRC 2
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.9. 20×50 SFRC 2
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.10. 20×60 SFRC 2
Final State of Cracking

Load versus rosette displacements

Load-deflection response

Load-rotation response

Figure F.11. T10×50 SFRC 2
Figure F.12. T15×50 SFRC 2
Final State of Cracking

![Diagram of beam showing final state of cracking with load and displacement measurements.]

Load-deflection response

![Graph showing load versus deflection with different states of cracking.]

Load versus rosette displacements

![Graph showing load versus rosette displacements with different load-rotation responses.]

Load-rotation response

Figure F.13. T23×50 SFRC 2
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.14. 20×30 Plain concrete
Final State of Cracking

Load versus rosette displacements

Load-deflection response

Load-rotation response

Figure F.15. 20×60 Plain concrete
Annex F – Full-Scale Beam Test Data

Final State of Cracking

Load-deflection response

Load versus rosette displacements

Load-rotation response

Figure F.16. T15×100 Plain concrete