

## Appendix F

# Summary of Papers Used for Model Identification

Table F.1: Summary of papers used for validating the model.

Paper	Loading Type	Confinement Type	Confinement Details	Concrete Strength (ksi)	Cross Section Shape	Specimen (inches)	Size
Chaallal and Shahawy (2000)	Combined Axial and Flexural	Steel hoops	#3 bars at 4"	3.7	Rectangular	8 x 14 x 84	
Harries and Carey (2003)	Axial	E-Glass FRP	3 and 9 plies, bonded and unbonded	4.1 - 4.7	Circular and Square	6 x 12 6 x 6 x 12 (square)	(circular);
Harries and Kharel (2003)	Axial	E-Glass and Carbon FRP	E-Glass 1, 2, 3, 6, 9, 12, and 15 plies; Carbon 1, 2, and 3 plies	4.7	Circular	6 x 12	
Mander et al. (1988a)	Axial	Steel spirals and hoops	0.39" - 0.47" diameter bars at 1.6"-4.0" pitch (spirals); 0.23" diameter bars at 1.0"-2.0" spacing (hoops)	3.8 - 4.1	Circular and Rectangular	19.7 x 59.1 (circular); 5.9 x 27.6 x 47.2 (rectangular)	(circular);
Scott et al. (1982)	Axial	Steel hoops	0.39" diameter bars at 2.8"	3.2	Square	17.7 x 17.7 x 47.2	