





Conclu	sions		Conclusions
 Intensity of the initial load, support cross section, fire scenario and the influence the fire resistance of reinformer that reinforcement have higher values utilization of the cross section is a and this results with lower value for If the initial load is changed, but same, the behavior of the element not changed. 	rt conditions, dimensions of the e type of aggregate significantly orced concrete beams. Noad the initial stresses in the too, respectively higher level of tachieved at ambient temperature the fire resistance of the beam. The support conditions are the and the mechanism of failure are	 The mome field in the bottom sid and decreat positive for The support resistance restrained delays the occur, so it 	ent redistribution, caused by the non-uniform temperature e cross section of the beam exposed to fire from the le, results in increase of negative moment at the supports ase of positive moment at the mid-span and this effect is r the fire resistance of the beam. For conditions are significant factors that influence the fire e of the RC beams. The fire induced axial force in case of axial displacements acts as pre-stressing force and e moment when yielding of the top reinforcement will t has a positive effect on the fire resistance of the beam.