

**Docket No. SA-522**

**Exhibit No. 7-AA**

**NATIONAL TRANSPORTATION SAFETY BOARD**

**Washington, D.C.**

Stabilizer Attach Point Design Conditions

(3 Pages)

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# A300-600R

## A300 Stabilizer attach points design conditions

	Structural temperature [°C]	Loading condition	Load case	Ultimate load $F_{xz}$ [N]
Front spar FS	70	Tension	Lateral gust discrete (1)	395.884
	-50	Tension		318.267
	70	Compression		329.069
	-50	Compression		411.283
Center spar CS	70		Lateral gust discrete (1)	595.900
	-50			603.550
	70			601.300
	-50			594.040
Rear spar RS	70		Lateral gust discrete (1)	707.940
	-50			760.420
	70			755.400
	-50			701.580

# A300-600R

## A300 Stabilizer attach points design conditions

	Failure	Structural temperature [°C]	Loading condition	Load case	Ultimate load $F_{xz}$ [N]
Front spar FS	CS	70	Tension	Lateral gust discrete (1)	447.742
		-50	Tension		376.206
		70	Compression		385.729
		-50	Compression		462.510
Center spar CS	RS	70	Tension	Lateral gust discrete (1)	772.000
		-50	Tension		802.008
		70	Compression		796.704
		-50	Compression		767.065
Rear spar RS	CS	70	Tension	Lateral gust discrete (1)	733.373
		-50	Tension		783.835
		70	Compression		773.776
		-50	Compression		727.410

