

DECLARATION OF DESIGN AND PERFORMANCE – STANDARD FORM**1. Name and address of the manufacturer.**

Brüggemann GmbH + Co. KG
Am Kalkheck 2
58313 Herdecke
GERMANY

2. Description and identification of article including:

The AC 7-250 is a steerable, square ram air main parachute for intentional parachute jumps. The airfoil and plan form is designed for accuracy landings.

Main Canopy

Type of Canopy	Square Main Canopy
Cells	7
Construction	I-Beam Chordwise
Connector Links	Maillon Rapide Links No. 6 / Soft Links
Canopy Material	PIA-C-44378 T4
Suspension Lines	600 lbs Dacron
Steering Lines	600 lbs Dacron

Parts List:

P/N: 904843-101

Modification Standard

The Modification Standard current revision is shown on the master drawing record.

Master Drawing Record

Doc.No.: 115-904843

Weight and overall dimensions.

Main Canopy

Size[sqft]	Span Ctr. [m]	Chord Ctr.[m]	Span Tip [m]	Chord Tip [m]	Slider [mm]
250	6.160	3.330	6.160	3.330	620x580

Lines	A 1-A8[mm]	B1-B8 [mm]	C1-C8[mm]	D1-D8 [mm]
250	3550	3710	4010	4280

Weight (max.)	AC 7-250
Main Canopy	4.0 kg
Reserve Canopy	4.5 kg

3. Specification reference.

TSO C23C

4. The rated performance of the article.

	AC 7-250
Max. Suspended Weight	120 kg / 266lbs
Max. Deployment Speed	130 KIAS
Max. Sink Speed / Rate of Descent	2.5 m/s
Max. Repack Cycle	180 days
Max. Service Life	15 years

5. Particulars of approvals held for the equipment.

None

6. Reference to qualification test report.

Annex to type certificate number 5/2-01-402/2002-002 for main and reserve canopy K-360.

7. Service and Instruction Manual reference number.

Technical Manual for the 7-250
Doc.No.: 150-904843

8. Statement of Compliance with appropriate ETSO and deviations there from.

Not applicable

9. A statement of the level of compliance with the ETSO in respect of the ability of the article to withstand various ambient conditions or to exhibit various properties.

a) Working and ultimate pressures or loads.

	AC 7-250
Max. Operating Weight	120 kg / 266 lbs
Min. Operating Weight	60 kg / 133 lbs

b) Time rating (e.g. continuous, intermittent) or duty cycle

The service/operational life is limited to a maximum of 15 years.

c) Ability to resist salt spray and aircraft fluids

The equipment should not be exposed to solen spray and/or aircraft fluids of any type. Should it be necessary to remove such soil, information as to the appropriate procedures is provided in the technical manuals.

d) Temperature and altitude category

All materials and consequently the equipment can be used in a temperature range from -40°C to +93,3°C, as shown in Report Demonstrating AC 7-250 Compliance with TSO 23C annex 1


10. Declaration

The declaration in this document is made under the authority of Brüggemann GmbH+Co. KG. Brüggemann GmbH+Co. KG cannot accept responsibility for equipment used outside the limiting conditions stated in paragraph 4 without their agreement.

DATE

12. MRZ. 2012

SIGNED



Joerg Herwig
Managing Director Brüggemann GmbH+Co.KG.
(Equipment Manufacturer's authorized Representative)