

Declaration of Design and Performance (Acceptable Means of Compliance)

DDP No
 Issue No 02

1 Name and address of manufacturer.

MarS a.s.
Okružní II.239
569 43 Jevíčko
Czech Republic

2 Description and identification of article including: REAL – X , OP – 103 Container/ Harness

02. Description of Container:

Typ of container	REAL – X . OP-103
Reserveflaps	
Reserve Pilotchute Reserve-AAD	PV-038 MPAAD
or	
Reserve Pilotchute Reserve-AAD	PV-055 m2, CYPRES, VIGIL
Webbingmaterial	NYLON WEBBING, MIL W 4088K, class 1, type VIII and type XIII
Hardware	H 335 MS 22040-1, H337 MS 70101-1, H 3800B

Parts List of Container :

Container (OP – 103)	1 piece
Harness (PS – 034 U or PS – 055 or PS – 034 S type)	1 piece
Release of the reserve parachute (U – 064 or U – 051)	1 piece
Cutaway release (U – 079)	1 piece
Reserve pilot chute (PV – 038 or PV – 055)	1 piece
Canopy container of the reserve parachute (VV – 075)	1 piece
Steering loops of the reserve parachute (RP – 006)	1 pair
Main parachute risers (VK – 33/430/17 Jh or VK – 33/510/20-Jh)	1 pair
Steering loops of the main parachute (RP – 008 Jh)	1 pair
or	
Main parachute risers (VK – 44/400/RP, VK – 44/500/RP)	1 pair
Main parachute steering loops (RP – 002 R)	1 pair
Canopy container of the main parachute (VV – 074 –1)	1 piece

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03. Size compatibility:

Containersize:	Maincanopy	Reservecanopy:
up 02 to 09	-	up WP – 110 to WP - 210

05. Master drawing record

06. Specification reference, i.e., JAR-TSO No. and Manufacturer's design specification
JTSO C23d

07 The rated performance of the article directly or by reference to other documents

Weight:	4,5 kg without main and reserve canopy
Max. Suspended weight (PS-034 U / OP-103):	120 kg/ 265 lbs
Max. Suspended weight (PS-055 / OP-103):	126 kg / 277 lbs
Max. Suspended weight (PS-034 S / OP-103):	115 kg/ 253 lbs
Max. Deployment Speed:	240 km/h / 130 knots
Repack & Inspection term:	365 Days
Lifetime:	15 Years

5 Particulars of approvals held for the equipment:

No approvals other than that of the manufacturer.

6 Reference to qualification test report.

See chart of performance characteristics.

7 Service and Instruction Manual reference number.

Standard PD owners manual for main canopies, current revision.

8 Statement of compliance with appropriate JAR-TSO and any deviations therefrom.

None.

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

Parachute canopy is built with commonly used materials and will withstand normal use in typical civilian environment.

The following are **examples** of information to be given under this heading depending on the nature of the article and the requirements of the JAR-TSO.

(a) Working and ultimate pressure or loads.

(b) Limitations of voltage and frequency. Not applicable

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

The service/operational life is not regulated

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(d) Limits of accuracy of measuring instruments.
No measurements needed

(e) Whether the equipment is "flameproof" (explosion-proof).
The equipment is not flameproof

(f) Whether the equipment is "fire-resistant".
The equipment is not fire resistant

(g) The compass safe distance. N/A (not applicable)

(h) Level of radio interference. N/A (not applicable)

(j) Radio and audio frequency susceptibility. N/A (not applicable)

(k) Degree of vibration which the equipment will withstand. N/A (not applicable)

(l) Degree of acceleration and shock which the equipment will withstand. N/A (not applicable)

(m) Degree of waterproofing or sealing of equipment.
The equipment is not waterproof or sealed

(n) Ability to withstand sand and dust.
The equipment is not sensitive to sand and/or dust

(o) Ability to resist salt spray and aircraft fluids.
The equipment should not be exposed to Solenspray 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 operations manual.

(p) Fungus resistance.
The equipment is manufacturer exclusively from synthetic materials and consequently resistant to fungus

(q) Temperature and altitude category.
The related materials and consequently the equipment can be used in a temperature range from -40° to +200°F

(r) Humidity category.

(s) Any other known limitations which may limit the application in the aircraft e.g. restrictions in mounting attitude.

(NOTE: The "categories" referred to are those listed in the current issue of EUROCAE ED-14/ RTCA document DO-160).

10 A statement of criticality of software.
No software in parachute.

11. The declaration in this document is made under the authority of MarS a.s. as producer cannot accept responsibility for equipment used outside the limiting conditions stated above without their agreement.

In Jevíčko, on 07.05.2013



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