

	DECLARATION OF DESIGN AND PERFORMANCE RESCUE PARACHUTE Thinback T 104	DDP No 40.010/98
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DECLARATION OF DESIGN AND PERFORMANCE

DDP No: 40.010/98

ISSUE No: 2

1. Name and address of the developer, manufacturer

<p><i>1.1 Developer and manufacturer</i> Parachutes Australia Pty Ltd 22 Bosci Road Ingleburn 2565 N.S.W. Australia telephon: 0061 2 98295355 telefax: 0061 2 98291300 home: http://www.parashutesaustralia.com email: greg@parachutesaustralia.com</p>	<p><i>1.2 licencee manufacturer</i> Fallschirmbau Buchsein/Hermesdorf GbR Wilhelm-Röntgen-Str. 1 58300 Wetter/Ruhr Germany 0049 (0)2335/69905 0049 (0)2335/60735 www.buchsein.com b.buchsein@buchsein.eu</p>
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2. Description and identification of article

2.1 Type designation

Type: **Thinback P/N T 104**

(all colours) Variants which do not influence the airworthiness

possibly variants see: Parachute manual (Australia english)
Parachute manual (Germany english) and
Fallschirmhandbuch (Germany german)

2.2 Description

The rescue parachute	consists of the following construction units
Parachute conopy and suspension lines	P/N P-008A
Pilot chute	P/N B-021-A
Bridle	P/N B-019
Container	P/N S-005H
Integrated harness	P/N S-005G
Static line	P/N B-074
Ripcord	P/N H-006-01

A design description can be found at Master Record Index Part No. T 104 from 7th. Jan 1988 and its Sub Master Record Indexes for all parts. All tests are described in the Report Form Q 022 for Thinback T 104 started at 18th Dec. 1987 and was done 13th Jan. 1988.

The rescue parachute **Thinback T 104** is described in

- Gerätehandbucht Thinback T 104 Ausgabe Jan. 2014, (deutsch/german)
- Parachute Manual Thinback T 104 issue 2, issue dated Jan 2014 (english)
- Thinback Parachute Manual PA/ A 043 Rev. A from 1st. Aug. 1998 (english)

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2.3 Purpose

The rescue parachute Thinback T104 is a parachute for persons, and is used as a rescue parachute for glider and motorised aeroplane pilots and balloonists. It can also be used for aircraft crew and escorts.

2.4 Master Drawing Record

A compilation of the Construction Documentations can be found in the general part list as a Master Record Index Part T104 Issue No 1 dated 07. Jan. 1988
It is also the general drawing index for Thinback T 104.

2.5 Weight and dimensions

Weight and dimensions of the rescue parachute *Thinback T 104* are taken from Parachute manuals Weight is about 6,5 kg an 70cm long 40cm wide and 6cm height and is only worn at back.

2.6 Materials used

The materials used are listed in material list for the individual construction units and the are listed a last pages of Parachute Manuals (not at German“Gerätehandbuch“) All materials used have been proven (experience and/or tests) suitable for the manufacture of personal safety parachutes.

2.7 Identification plate

The Identification is made into three parts. First a name sticker with load capacity and maximum exit speed. The second is the Manufacturer, Serial No and date of manufacture and the third is the German approval No tag and space for inspection dates.

3. Specifications

FAA TSO - C23b as designed in FAR 21.305(b) and TSO -C23c form 30th Sept. 1982 and SAE Aerospace Standard 8015 A as a minimum Performans Standards for Parachute Assemblies and Components.

4. The rated Performance of the article

The rescue parachute Thinback T 104 fulfils all applicable performance requirements in accordance with NAS 804 and AS 8015 A

The rated Performance of the article can be found in the Parachute Manuals for Thinback form Australia and Germany in English but not in the German „Gerätehandbuch“ (for that it was not essential).

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5. Particulars of approvals

Approval No 91-5 from Australian Authorities of Transport and Communications and notifying by US Department of Transportation Western Region Certifying Office Los Angeles, CA.

6 Qualification Test Reports

6.1 QTP

6.2 QTR for Thinback T 104 issue 1 dated 7th Febr. 1988

7. Service and Instruction Manuel

Parachute manual „Gerätehandbuch für Thinback T104“ is made by Fallschirmbau Buchsein/Hermesdorf GbR and issued Jan. 2014. The Parachute manual from Parachute Australia P/N 043 revision A and Parachute Manual made by Buchsein/Hermesdorf GbR issue No 3 dated Jan. 2014.

8. Statement of Compliance with appropriate ETSO

Fallschirmbau Buchsein/Hermesdorf GbR declares herewith that the rescue parachute Thinback T 104 has been tested and fulfil all applicable performance requirements of ETSO/TSO-C23d.

9. Operationl limits

Maximum dropping speed at maximum operation weight

- a) 400 km/h (216kts/278 mph) at 100kg (220 lbs)
- b) 0 km/h (0 kts/ 0mph) at 100kg (220 lbs)

Minimum opening altitude for horizontal flight and immediate opening

- a) v= 400 km/h 100 m
- b) v= 0 km/h 100 m

Minimum opening altitude in vertical fall: 100 m
Rate of descend: > 5 m/s bei 80 kg
Packing interval: 8 month
Operating time: 20 years
Temperature range: -30°C to 65°C

10. Manufacturer's declaration

The declaration in this document is made under the authority of the company
Fallschirmbau Buchsein/Hermesdorf GbR.
Herstellerbetrieb Teil 21 Nr.: DE.21G.0040.

Fallschirmbau Buchsein/Hermesdorf GbR cannot accept responsibility for equipment
used outside the limiting condition stated above without their agreement.

Fallschirmbau Buchsein/Hermesdorf GbR will promise to issue any new editions
of this declaration whenever this item of equipments is subject of a minor or major
change.

4th JAN. 2014



(Buchsein)



(Hermesdorf)