

***Section 2.0***

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***Component  
Compatibility***

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## **2.1 CANOPY COMPATIBILITY**

### **IMPORTANT!**

It is imperative that the rigger and the owner understand what canopies are compatible with a particular model of Rigging Innovations, Inc. harness/container assembly.

**IF INCOMPATIBLE CANOPIES ARE USED WITH THIS TELESIS 3.0 SYSTEM, IT COULD FAIL TO OPERATE AS DESIGNED RESULTING IN SERIOUS INJURY OR EVEN DEATH TO THE USER**

## **2.2 RESERVE COMPATIBILITY**

To determine whether a particular reserve canopy is compatible with a TELESIS 3.0 harness/container assembly, there are several requirements that must be met. They are pack volume, deployment type, TSO certification, and placard limitations.

## **2.3 VOLUME**

The pack volume of a canopy is determined by using the standard Parachute Industry Association (PIA) volume measurement as determined by PIA Technical Standard TS-104 in its most current edition. By cross referencing this measurement to the Rigging Innovations, Inc. Main/Reserve Container Volume, Table II, the volume compatibility may be determined.

### ***IMPORTANT NOTES ON VOLUME REFERENCES***

Rigging Innovations maintains the PIA canopy volume measurement study. If R.I. has not tested a particular make and model canopy in our volume chamber we cannot be responsible for its fit in a given size container. We will accept orders for specific size rigs if no reference to canopy make or model is made. However, if canopy sizes are stated on an order form then R.I. will determine what is the best container size for those canopies.

Proper container sizing is one of the more difficult processes in determining the correct size of main to reserve canopy compatibility. Volume testing by the Parachute Industry Association has shown a volume variable of up to 20% for a given canopy model.

The PIA canopy volume may be based on a single sample and should serve only as a rough guide in selecting the correct size of container to canopy. Factors such as temperature, humidity, age, number of jumps and packing technique affect the volume of a given canopy.

R.I. generally takes a conservative approach when selecting the appropriate container size for a given canopy combination. R.I. sizes containers a little on the soft side to ease packing, while making the **TELESIS 3.0** more comfortable and durable.

**TABLE II**  
**TELESIS 3.0 Main/Reserve Container Volumes**  
 All numbers refer to the cubic inch volume of the containers.

Container size	Volume/Reserve/Main
TS1	400/500
TS2	450/625
TS3	500/700
TS4	550/750
TS5	600/800
TS6	700/950

## **2.4 DEPLOYMENT BAG AND BRIDLE**

Only a Rigging Innovations reserve deployment bag and bridle assembly of the correct size and properly labeled with P/N 2132 - ( ) is compatible with the **TELESIS 3.0**. **No other deployment bag is approved for use with the TELESIS 3.0 system.**

### **SAFETY STOW**

Only a Rigging Innovations safety stow of the correct size with P/N 2911 - (3) is compatible with the TELESIS 3.0. No other safety stow is approved for use with the TELESIS 3.0 system.

### **DEPLOYMENT TYPE**

There are 5 different canopy deployment methods in common use. Of these, only TYPE 5 is approved for use in the Rigging Innovations, Inc., **TELESIS 3.0** harness/container assembly.

The description and example is as follows:

Type 5: Free Bag: Canopy stowed in bag and lines stowed on/in bag.

*Examples: PD reserve canopies, Precision R-Max series reserves, and Aerodyne Smart reserves.*


## **2.5 ORANGE WARNING LABEL PLACARD DATA**

As part of the manufacturer's requirements, the ORANGE WARNING LABEL located on the back pad must be filled in by the rigger assembling and packing the **TELESIS 3.0**.

**FAILURE TO COMPLETE THE ORANGE WARNING LABEL  
 WILL RESULT IN THE TSO BEING NULL AND VOID!**

The data required for the warning label is obtained from the canopy manufacturer and should be found on the canopy warning label or data panel.

## 2.6 INDUSTRY SPEED AND WEIGHT LIMITATIONS

 <b>WARNING</b>		
<p>1. TRAINING AND/OR EXPERIENCE ARE REQUIRED TO LOWER THE RISK OF SERIOUS INJURY OR DEATH</p> <p>NEVER USE THIS EQUIPMENT UNLESS YOU HAVE:</p> <p>A. READ THIS WARNING LABEL AND COMPLETED A "CONTROLLED" PROGRAM OF INSTRUCTION IN THE USE OF THIS PARACHUTE ASSEMBLY</p> <p>OR</p> <p>B. READ THIS WARNING LABEL AND ALL APPROPRIATE OWNERS/FLIGHT MANUALS, PACKING INSTRUCTIONS AND COMPLETED AT LEAST 100 RAM AIR PARACHUTE JUMPS</p> <p>2. LOWER THE RISK OF DEATH, SERIOUS INJURY, CANOPY DAMAGE AND HARD OPENINGS BY NEVER EXCEEDING THE LIMITS SHOWN BELOW.</p>		
	MAIN	RESERVE
MAXIMUM DEPLOYMENT SPEED	KTS.	KTS.
MAXIMUM GROSS WEIGHT (JUMPER + CLOTHING + EQUIPMENT)	LBS.	LBS.
MANUFACTURER:		
MODEL:		
<p>ATTENTION RIGGER: • REFER TO OWNERS MANUAL FOR PLACARD INFORMATION AND COMPATIBILITY LIMITATIONS</p> <ul style="list-style-type: none"> <li>• FILL IN DATA WITH WATERPROOF INK</li> <li>• CHANGE DATA ON LABEL IF A DIFFERENT CANOPY IS INSTALLED</li> </ul> <p>REMOVAL OF THIS LABEL VOIDS THE TSO. MANUFACTURED UNDER TSO C23c BY</p> <p>RIGGING INNOVATIONS INC. 4900 N. Tumbleweed Rd. Bldg. 1, ELOY AZ 85231, USA.</p>		
