

Section 2.0

Component Compatibility

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 TALON FS 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 TALON FS 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.

Reserve canopy technology has not progressed at the same pace as main canopies. Often, the reserve canopy volume determines the container size. Today's high performance main canopies allow jumpers to fly much smaller volume canopies than an appropriate size reserve canopy for the individual's weight and experience.

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 loose side to ease packing, while making the **TALON FS** more comfortable and durable.

TABLE II
TALON FS Main/Reserve Container Volumes
 All numbers refer to the cubic inch volume of the containers.

Container size	Volume/Reserve/Main
T00	275/275
T0	300/300
T1	325/300
T2	325/350
T5	400/450
T6	450/550
T7	550/600
T8	600/700

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 2119 - () is compatible with the **TALON FS**. **No other deployment bag is approved for use with the TALON FS system.**

SAFETY STOW

Only a Rigging Innovations safety stow of the correct size with P/N 2911 - (3) is compatible with the TALON FS. No other safety stow is approved for use with the TALON FS 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., **TALON FS** 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 Super Raven and Dash-M series reserves, PISA Tempo reserves.

2.5 ORANGE WARNING LABEL PLACARD DATA

As part of the manufacturers requirements, the ORANGE WARNING LABEL located on the back pad must be filled in by the rigger assembling and packing the **TALON FS**.

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.

Please note that there may be instances where one model canopy may have TWO DIFFERENT placard limitations; one as a reserve and one as a main. An example of this is the Precision Super Raven 4 canopy. As a reserve it is limited to 254 lb. maximum gross weight. However, as a main it is placarded at 288 lb. Make sure that your rigger marks the correct space with the right category information.

2.6 INDUSTRY SPEED AND WEIGHT LIMITATIONS

 WARNING		
<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 style="text-align: center;">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:</p> <ul style="list-style-type: none"> • REFER TO OWNERS MANUAL FOR PLACARD INFORMATION AND COMPATIBILITY LIMITATIONS • FILL IN DATA WITH WATERPROOF INK • CHANGE DATA ON LABEL IF A DIFFERENT CANOPY IS INSTALLED 		
<p>REMOVAL OF THIS LABEL VOIDS THE TSO. MANUFACTURED UNDER TSO C23c BY RIGGING INNOVATIONS INC. 4900 N. Tumbleweed Rd. Bldg. 1, ELOY AZ 85231, USA.</p>		