

PSB#070186
Misuse of RW-2 Rings
July 1, 1986

SUBJECT MISUSE OF RW-2 RINGS

STATUS Relative Workshop No. RW-2 Ring

IDENTIFICATION The RW-2 Ring is in common use as the middle ring in the Booth 3Ring Riser Release.

In 1981, the first "Mini" 3-Ring Releases were introduced as part of the Para-Flight Swift system. The Harness Ring (Large Ring), had the same inner diameter as the Standard Release Middle Ring (RW-2), but was a much stronger, "beefier" ring.

Because these Swift rings were not generally available, several gear manufacturer experimented with 3-Ring 'systems using the middle or RW-2 Ring as the Harness Ring.

Tests performed with the RW-Ring show that the ring may start to permanently deform under a load as low as 850 lbs. Opening shocks as high as 20001bs have been measured under normal jumping conditions. Usually, this load is distributed between the two risers, but an uneven opening can send most of the force to one side of the harness. Such a force could overload the RVI-2 Ring, bending it in fact.

APF POLICY The APF recognise only the following Rings as suitable for the Harness Ring of A 3-Ring Release:

RW-1 Ring Slotted (except 1981 & 1982) DJ-1 Ring Slotted copy of RW-1

FC 5010 Ring original round LARGE Ring RW-7 Booth Mini Ring.

EFFECTIVE DATE Immediately

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DISTRIBUTION APF Packers and Riggers NZPF Parachute Technicians