

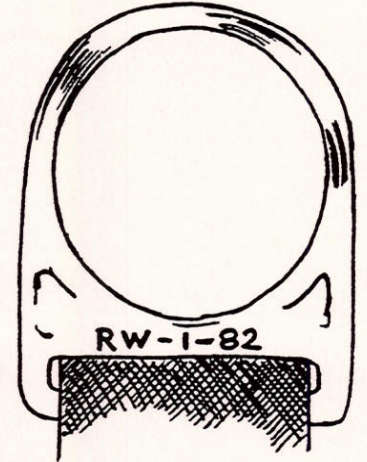
BRITISH PARACHUTE ASSOCIATION

S A F E T Y N O T I C E

3 RING CIRCUS

1. Approx 20% of production of the large rings of the 3 ring circus for 1982 (Rings: RW-1-82) were not properly heat treated, as a consequence, all these rings should be tested, as the suspect rings are likely to deform or elongate at low loads. It is advised equipment with these rings are not jumped until they have been tested.
2. Any person with equipment with these rings on should have them tested as soon as possible. 'GQ' or 'Security' rigs can be tested by GQ, Woking, Surrey. Tele: 04862-61321 (Quality Manager).
3. The Relative Workshop (3 ring manufacturer) recommended that rings are hardness tested using a Rockwell Hardness tester:

 Readings 0-10 are to be rejected
 Readings 11-24 are questionable and should be grounded until further notice
 Readings 25 plus are acceptable
4. The rings may also be tested by a Proof Load Test of 2000lbs using an 'Instrom' test machine, or similar. A cross head speed of 5mm per minute, for about 20 secs. They should be tested at 90° to proof direction and rings should not deform more than 5 thousandths of an inch.
5. It is suggested that parachutists should contact their local University or Colleges to see if they can carry out these tests for them.



Tony Butler
Joint National Coach &
Safety Officer

1st February 1984

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