

How to strip down and service the Zeiss Jena Sonnar 180 2.8 for Pentacon Six (Zebra version)

By Mario Santos



Parts you will obtain:

- 1- **Front ring:** unscrew with rubber wrench or self made wrench with empty tape spool
- 2- **Front element behind**
- 3- **Ring supporting front element:** unscrew with spanner wrench
- 4- **Tube holding middle group:** there is one retaining ring below which can be unscrewed by hand or spanner wrench
- 5- **Middle optical group:** Three elements glued
- 6- **Back element and tube:** unscrew with spanner wrench or rubber wrench
- 7- After doing this the barrel will contain only the aperture and focusing mechanisms, no more glass.



Barrel empty of glass and tools necessary: spanner wrench above right and rubber wrench set and hand made wrench



Cleaning products and lubricating oil for stuck screws and rings

Clean and sterilize everything with isopropanol, using cotton swabs. After use a cleaning glass product with alcohol or vinegar base

Wipe gently with a paper tissue or dedicated glass lens wipe

Stuck rings must be treated with isopropanol and anti rust oil spray before unscrewing

Assemble everything using cotton gloves and use hand blower to dust everything in each step. Don't use too much force but secure rings tight

Good luck

