



IS 16723:2020 "**Combination Lock - Specification**,".

A combination lock is a secure locking device that does not use a physical key. Instead, it requires users to enter a specific sequence of numbers, known as a combination, to unlock it. This type of lock is commonly used on items like bags, lockers, and cabinets, providing security through a personalized code.

Consumers expect certain quality parameters in a good combination lock:

1. **Security:** Consumers expect the lock to be resistant to unauthorized access, making it hard to pick, force, or decode.
2. **Reliability:** The lock should operate consistently over time without jamming or malfunctioning.
3. **Durability:** It should withstand regular wear and tear, environmental conditions, and any tampering attempts.
4. **Ease of Use:** A good lock should be simple to operate, with straightforward instructions for setting and changing the combination.
5. **Material and Finish:** High-quality materials ensure durability, resistance to corrosion, and a polished look.

The IS 16723:2020 standard addresses these expectations through well-defined performance requirements and testing procedures. **Performance tests** evaluate the lock's resistance to forced entry methods, such as picking, manipulation, and decoding. Additionally, the standard includes tests for durability, including impact resistance, corrosion resistance, and cycle testing to assess how well the lock performs with repeated use.

Material and manufacturing standards ensure that only strong, reliable materials are used in the construction of certified locks, enhancing both their strength and longevity. Furthermore, IS 16723:2020 mandates that manufacturers have their locks tested by accredited laboratories to achieve certification. Certified locks offer consumers confidence in their quality and security.

Finally, the standard emphasizes **clear user instructions**, providing guidance for installation, use, and combination changes. Through these measures, IS 16723:2020 assures consumers that certified combination locks are reliable, secure, and durable, meeting high standards of quality.