



Atlas copco P/N: 1616580381 Model: O.F.S. K-21 Air end Screw air compressor


Atlas Copco O.F.S. K-21 Airend Part No. 1616580381 is a high-performance rotary screw compression unit engineered to serve as the core air-compression element in Atlas Copco screw air compressor systems. Specifically designed for the O.F.S. K-21 model, this airend offers reliable, continuous-duty operation with maximum efficiency and durability. Built to OEM specifications and incorporating advanced rotor profiles, the unit provides exceptional compression efficiency while minimizing internal leakage, energy consumption, and mechanical wear.


The precision-machined rotors within the 1616580381 airend are crafted from high-grade alloy and finished with a tight-tolerance surface treatment, enabling consistent, smooth air compression under high loads. This airend is designed to withstand long operational cycles, high temperatures, and varying system pressures without compromising performance. Its robust construction includes heavy-duty shaft bearings, advanced seal systems, and a reinforced housing to ensure optimal alignment, stability, and extended service life even under the most demanding conditions.

Compatible with Atlas Copco's O.F.S. K-21 compressors, the 1616580381 airend simplifies integration during both scheduled overhauls and unscheduled replacements. The component is engineered to meet strict performance standards, restoring system pressure capacity, reducing cycle times, and maintaining compressor efficiency. Easy-access service points, modular assembly design, and alignment compatibility with the existing drive system reduce downtime and make maintenance straightforward.

In summary, the Atlas Copco O.F.S. K-21 Airend Part No. 1616580381 delivers outstanding reliability and energy-efficient performance for industrial air systems. Whether used in manufacturing, processing, or energy facilities, this screw compressor airend offers the strength, precision, and longevity required for critical compressed air applications, helping operators maintain system uptime and reduce overall operational costs.

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