



SNR TOPLINE: Applications-
Technical Information.



TOP LINE

SNR - Industry



Control the extremes, discover SNR TOPLINE solutions!

FT150 & FT150 ZZ

- So-called "high temperature" seal, providing excellent resistance to chemical agents and permitting high speed rotation.
- Mild steel shields for the FT150 ZZ series, no bearing operating speed limitation.
- J30: category 3 clearance to compensate for variations in temperatures.
- Grease specifically tested and selected for high temperatures.
- Pressed-steel cage, no limitations for bearing operating temperature.



Applications:

- Electric motors with high operating temperature (from +150°C/ 300°F to +180°C/ +350°F on the wiring).
- Capacitors (temperature +135°C/ +275°F).
- Fans (air conditioning) and compressors.
- Food processing industry (bakery in particular).
- Pharmaceutical industry (eg. pills).
- Production of steel wires for traction.
- Production of pumps for seaside resort stations.
- Industrial ovens.
- Photocopiers.
- Textile industry (synthetic fibers).

HV ZZ

- High precision bearing that meet DIN P6 or ISO 6 standards for high accuracy.
- High precision balls: grade ≤ 10 . Grade 10 is the 3rd most stringent grade in the classification of rolling elements (in the order: grade 3, 5, 10, 16, etc.).
- Extreme quality surface rating.
- Improved internal geometry with close tolerances.
- Glass-fiber reinforced polyamide cage provides accurate guidance of rolling elements for improved capabilities at high speed.
- Pressed-steel shields.
- Grease specifically tested and selected for very high speeds and low torque.

Applications:

- Textile industry.
- Groove shaper for wood cabinets.
- Naval engines.
- Food can industry.
- Alternators.
- Wood machine-tool spindles and electric spindles.

For spindles, we recommend to apply a preload according to the bearing dimension and installation requirements. This preload provides higher assembly rigidity and increased service life.





HT200 & HT200 ZZ

- Viton seals for the HT200 series (-40°C/ -40°F to +200°C/ +400°F).
- Pressed-steel shields for the HT200 series.
- Special heat treat providing metallurgical stability for operating temperatures up to 200°C (400°F).
- J40: category 4 clearance to compensate for variations in temperatures.
- Pressed-steel cage.
- Grease specifically tested and selected for very high temperatures.

Applications:

- Steel mills.
- Ceramic industry.
- Food processing (bread oven).
- Paper mills, cardboard manufacturing.
- Electric motors in the vicinity of ovens.
- Industrial fans.
- Motors and gear boxes.



LT & LT ZZ

- Nitrile rubber seal (-40°C/ -40°F up to +110°C/ +220°F) for the LT series.
- Pressed-steel shields for the LTZZ series.
- Pressed-steel cage.
- J30: category 3 clearance to compensate for variations in temperatures.
- Grease specifically tested and selected for low temperatures and damp atmosphere.

Applications:

- Ski resort equipment (compressors).
- Freezing appliances for food processing industry.
- Gas production.
- Fork-lift trucks for cold rooms.
- Cold room video cameras.



Technical Information

The TOPLINE product line benefits from SNR's latest technological innovations which meet the most demanding applications. High speed and temperature capabilities come standard with TOPLINE bearings. The TOPLINE product line is segmented into four families that cover the most critical applications.

Applications	Sealed version	Shielded version
Medium-high temperature, 150°C (300°F) peak High speed: up to 500 000 N.Dm	FT150	FT150 ZZ
High temperature, 200°C (400°F) peak Medium speed: up to 150 000 N.Dm	HT200	HT200 ZZ
Low temperature, down to -60°C (-75°F)	LT	LT ZZ
High speed, up to 700 000 N.Dm		HV ZZ

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