

Trim Rite is a hardenable martensitic stainless steel with a moderately high level of corrosion resistance, hardness up to Rockwell C 51, good cold formability, and ease of heat treatment.

Trim Rite is **balanced to be fully martensitic in the hardened condition and is magnetic in all conditions**. Careful additions and carbide control helps improve corrosion resistance compared to traditional 410 and 420. The alloy can be hot worked, cold worked, machined, and heat treated using the same equipment and methods used for 410. Trim Rite is used in many applications: fasteners (especially self-drilling types), cutlery, food processing equipment, valve parts, gauges, guides, shafting, conveyor chain, instruments, and medical and surgical cutting and scraping tools.

Similar alloys: 410, 420



KEY FEATURES OF TRIM RITE

- **Corrosion resistance:** Trim Rite has improved corrosion resistance compared to similar grades such as 410, 420, and 440 due to balanced chemistry and heat treatment.
- **Workability:** The alloy has good formability and drilling capability while providing the same manufacturability as 410 stainless steel.
- **Machinability:** Trim Rite's machinability is similar to 410 and 420. Consult the Trim Rite datasheet for specific cutting speed and feed rates.
- **Cost-effective:** Versatile mechanical properties and good corrosion resistance make this alloy a cost-effective alloy for applications across medical, industrial, and consumer applications.

