

T.S.E. TRADING

Quality Stainless Steel Products

C O M P A N Y P R O F I L E

Stainless Steel Stockist and Importer
Grades 304 316 303 431 420 Special Alloys

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Reg. No.: 1996/012262/07

1. Who We Are

T.S.E. Trading is a Gauteng-based stainless steel stockist and importer with a legacy rooted in deep industry expertise and an unwavering commitment to quality. Registered under company number 1996/012262/07, TSE Trading has built its reputation on consistent product availability, reliable delivery, and the kind of personalised service that only a management-led, relationship-focused business can provide.

Operating from our facility in Wadeville, Germiston, we serve engineering and fabrication companies, mining and heavy industry operations, and food, beverage and pharmaceutical manufacturers across South Africa. Our product range spans stainless steel wire, welding wire, and a comprehensive selection of long products, all supplied in standard lengths or cut to your exact specifications.

2. Vision, Mission and Values

Our Vision

To be the most trusted and responsive stainless steel supplier in South Africa, recognised for product quality, technical knowledge, and lasting customer partnerships.

Our Mission

To supply premium quality stainless steel products with competitive pricing, fast turnaround times, and personalised service, enabling our customers to build, manufacture, and operate with confidence.

Our Values

- **Quality:** We stock and supply only materials that meet exacting standards of grade integrity and surface finish.
- **Reliability:** We commit to delivery timelines and honour them. Consistent stock availability is central to our business model.
- **Transparency:** Open, honest communication underpins every interaction with our customers, suppliers, and partners.
- **Partnership:** We invest in understanding our customers' requirements and build long-term relationships, not just once-off transactions.
- **Responsiveness:** Whether a large contract order or a walk-in customer, we respond with the same urgency and care.

3. Our Products

TSE Trading stocks and imports a comprehensive range of stainless steel products. All products are available in standard lengths or cut to your exact specifications. We carry the following grades as standard: 304/304L, 316/316L, 303, 420, 431, and special alloys on request.

3.1 Stainless Steel Long Products

Product	Grades Available	Typical Applications
Round Bar	303, 304, 316, 420, 431	Shafts, CNC machining, valves, pumps, structural components
Hex Bar	303, 304, 316, 431	Fasteners, bolts, nuts, fittings, machined components

Flat Bar	304, 316	Brackets, base plates, ornamental work, framing, food-grade fixtures
Square Bar	304, 316	Frames, supports, decorative applications, engineering components
Angle Bar	304, 316	Framing, bracing, edge protection, tiled area trims, structural use
Hollow Bar	304, 316	Machined components with reduced waste and high machinability

3.2 Wire Products

Product	Grades / Specifications	Typical Applications
Stainless Steel Wire	304, 316 in various diameters	Industrial, automotive, mining screens, filtration, general fabrication
Spring Wire	High-strength 304/316, cold-drawn	Springs, wire forms, automotive, construction, industrial sectors
Welding Wire (MIG/TIG)	308L, 316L in standard spools	TIG and MIG welding of stainless steel structures and components
Welding Rods (Stick)	308, 309, 316 electrodes	Arc welding of stainless steel, repair work, fabrication

All products are available in standard stock lengths. Cut-to-length service is available to your exact specifications.

4. Grade Reference Guide

Selecting the correct grade is critical to performance, longevity, and compliance. TSE Trading's team can assist with grade selection for your specific application.

Grade	Key Properties	Best For	Notes
304 / 304L	Excellent corrosion resistance, formability, weldability	General engineering, food equipment, structural	Most widely used grade. 304L ideal for heavy-gauge welded components
316 / 316L	Superior corrosion resistance, especially in chloride and acid environments	Marine, chemical, pharmaceutical, food processing	Molybdenum-bearing. Best choice where 304 is insufficient
303	Free-machining grade, excellent machinability	CNC machined components, bolts, fittings	Preferred for precision turned parts
431	High tensile and torque strength, best	Shafts, bolts, high-load applications	Nickel-bearing with excellent toughness

	corrosion resistance of martensitic grades		
420	Hardenable, minimum 12% chromium	Cutlery, surgical instruments, hardened parts	Best corrosion resistance when hardened and polished
Special Alloys	Duplex, super-duplex, Hastelloy, others	Petrochemical, high-corrosion, specialised engineering	Available on request with lead times applying

5. Our Services

TSE Trading's offering extends beyond material supply. We provide a range of value-added services designed to make procurement straightforward and efficient for our customers.

Cut-to-Length Service

We supply bar, flat, and angle products cut to your exact specifications. Eliminating on-site cutting reduces waste, saves time, and improves accuracy on your production floor.

Custom Stockholding

For customers with regular, predictable requirements, we offer dedicated stockholding arrangements. We hold your specified grades and sizes, ensuring material availability when you need it without the lead time uncertainty.

Same-Day and Fast-Turn Quoting

We understand that procurement decisions are often time-sensitive. TSE Trading commits to same-day quoting on all standard enquiries, enabling your team to move quickly on projects.

Walk-In Customer Service

Our Wadeville facility is accessible to walk-in customers needing immediate material. Whether it is a single bar or a small batch, we serve all customers with the same care and efficiency.

Technical Guidance and Grade Selection

Our team brings extensive stainless steel expertise to every enquiry. We assist customers in selecting the correct grade, size, and finish for their application, reducing costly specification errors.

After-Sales Support

Our commitment to customers does not end at delivery. We provide ongoing support, track repeat requirements, and proactively anticipate future needs to keep your operations running without interruption.

6. Industries We Serve

TSE Trading supplies stainless steel products to a broad range of industries across South Africa. Our versatile product range and flexible service model make us a reliable partner across sectors with differing compliance, grade, and lead-time requirements.

Industry	Key Applications	Typical Grades
Engineering and Fabrication	Shafts, machined components, structural fabrication, CNC turning	303, 304, 316, 431

Mining and Heavy Industry	Screen mesh, pump shafts, conveyor components, structural parts	304, 316, 431
Food, Beverage and Dairy	Processing tanks, conveyors, pipework, hygiene-grade fixtures	304, 316
Pharmaceutical	Process vessels, laboratory fittings, hygiene-critical equipment	316, 316L
Automotive and Transport	Exhaust components, structural parts, drive components	304, 316, 431
Chemical and Petrochemical	Valves, piping, pressure vessels, process equipment	316, Duplex
Water Treatment	Process equipment, screening, structural components	316, 304
Architectural and Shopfitting	Balustrades, handrails, feature walls, commercial kitchens	304, 316
Construction and Infrastructure	Structural supports, edge protection, brackets	304, 316

7. Why Choose TSE Trading

Hands-On Management	Our directors and shareholders are actively involved in daily operations. This ensures consistent quality, faster decision-making, and a personalised level of service that larger distributors cannot replicate.
Stock Availability	We maintain comprehensive stock across all standard grades and profiles. Customers can rely on material availability without extended lead times disrupting their production schedules.
Competitive Pricing	As a direct importer with established supplier relationships, TSE Trading offers competitive pricing across our full product range, delivering quality without compromise on cost.
Cut-to-Size Precision	We cut bar and profile products to your exact specifications, reducing waste and preparation time on your shop floor. Tight tolerances, every time.
Fast Quoting	Same-day quotations on all standard enquiries. We understand that your procurement timelines are tight, and we match that urgency.
Technical Expertise	Extensive experience in the South African stainless steel market means our team can guide grade selection, help solve specification challenges, and prevent costly material errors.
Relationship-Driven	We build long-term partnerships with our customers, not transactional interactions. We invest in understanding your business so we can anticipate your needs before you raise them.

8. Leadership

Tanya Papadopoulos — Director and Shareholder

Tanya Papadopoulos is the driving force behind TSE Trading, bringing deep expertise and a genuine passion for the stainless steel industry. Her story has been recognised by the Southern African Stainless Steel Development Association, which featured her in its industry publication as a profile of the entrepreneurial spirit shaping South Africa's stainless sector.

Tanya's hands-on involvement in the day-to-day operations of TSE Trading is a defining characteristic of the business. Her direct accessibility to customers ensures that every client receives the same commitment to quality and responsiveness.

Under her leadership, TSE Trading has established itself as a trusted name in the Gauteng stainless steel market, with a customer base spanning engineering, mining, food processing, and pharmaceutical sectors.

9. Our Commitment to Sustainability

TSE Trading believes that sustainability is not merely a responsibility — it is a fundamental necessity for safeguarding the future of our planet and our industry. As a supplier operating in a materials-intensive sector, we recognise the obligation to reduce environmental impact and operate with greater accountability.

Stainless steel itself is one of the most sustainable engineering materials available. It is 100% recyclable, has an exceptional strength-to-weight ratio, and its longevity reduces the frequency of replacement in industrial applications. TSE Trading reinforces this by sourcing materials from suppliers that actively embrace sustainable production practices.

10. Contact Us

We welcome enquiries from procurement teams, engineers, project managers, and individual customers. Our team is ready to assist with quotations, grade selection, and order fulfilment.

CONTACT DETAILS

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