

## SEMIFINISHED PRODUCTS

Precision flat steel special dimensions, as well as cost-effective flexible standard products like VarioPlan and VarioRond, are our special strengths. They help avoid the storage of material remnants, reduce capital tie-up and administration, and save costs on investments and running your own saws.

### PräziPlan

Precision flat steel according to DIN 59350 offers optimal quality at a fair price. We stock a wide range of materials in countless dimensions. Take advantage of our extensive inventory. You will appreciate the unique residual stress condition of our parts after heat treatment. It is achieved through multiple, careful straightening of the workpieces using traditional craftsmanship methods. The flatness of PräziPlan is significantly better than what the standard requires. Precision flat steel from Recknagel means: all longitudinal sides are finely machined at a right angle, the thickness is always ground, all sides are free of decarburization, optimal straightness, and secure material selection. Why settle for less? Since 1968, we have been manufacturing precision flat steel as one of the first companies in Germany. Benefit from our experience!

### EcoPlan 150, 400, and 800

We offer affordable and practical short lengths of precision flat steel, in stock in standard lengths of 150mm, 400mm, and 800mm – for 1.2379 and 1.1730, also in 200mm, 300mm, and 600mm. You receive finely machined precision flat steel short lengths on all sides, in accordance with DIN 59350. This way, you don't always have to buy and cut entire meter bars for smaller workpieces. This helps you avoid wastage.

### PräziPlan - Custom Parts

For individual semifinished products with high requirements for dimensional accuracy, squareness, parallelism, flatness, or special surface finish, you can obtain them from us as precision flat steel custom-made products. We quickly and precisely manufacture your ground custom parts from our wide range of pre-materials. Utilize our configurator on the WebShop at [www.stahlnetz.de/konfigurator](http://www.stahlnetz.de/konfigurator) for easy and precise definition of your requirements. You will receive our offer promptly.

### EroBlock

Erosion blocks for the production of cutting and forming dies made from 1.2379 or TENASTEEL, fiber direction perpendicular to the ground top surface, all sides free of decarburization, available in hardened or annealed versions, constantly in stock. Upon request, also available in other materials for prompt delivery. When manufacturing cutting plates and cutting dies with wire erosion machines, material selection is of particular importance. Often, remnants that are generated elsewhere are used for die production, whose structure (fiber direction) is just as unknown as the residual stress condition due to previous processing.

Through the purposeful EroBlock pre-material selection by Recknagel, it is ensured that the fiber in the material always runs in the cutting direction. Combined with modern vacuum hardening technology and triple tempering for 1.2379, an optimally hardened and low-residual austenite semifinished product is created, suitable also for subsequent nitriding treatment or PVD coating. The service life and manufacturing reliability of the tools produced can be significantly increased by using erosion blocks.

The use of pre-hardened erosion blocks saves the user valuable time and avoids problems that can arise from the demanding heat treatment. Starter holes are added after consultation.

### P-Plates

Individually manufactured P-Plates with milled or ground surfaces are available in the following materials: Toolox 33, Toolox 44, Daido NAK80, MINKOR, 1.0570/1.0577 (St52-3), 1.1730, 1.2083, 1.2311/1.2312, 1.2343 ESU, 1.2343, 1.2767, and 1.7131, TENASTEEL, Daido DCMX, 1.2363, 1.2379, 1.2842

27

### VarioPlan - Custom Milled Semifinished Products!

VarioPlan is the fast and completely customizable precision milled semifinished product from Recknagel: Width, thickness, and length are freely selectable, with a wide range of materials available. Neither a thickness grid nor standard lengths limit your choices. VarioPlan is produced according to your specifications with sawn or milled edges. You can freely define chamfers or radii, for example, for mold inserts. Your specifications flow directly into our production. Simply calculate your desired dimensions online in the WebShop at [www.varioplan.de](http://www.varioplan.de). You will receive your individually manufactured VarioPlan semifinished product in a few days.

VarioPlan is available today in many steel materials.

VarioPlan starts at just 7 x 7 x 7mm and, depending on the availability of the raw material, can be delivered in widths of up to 1,000mm, thicknesses of up to 225mm, and lengths of up to 3,000mm.

### VarioRond - Round Material Sections at Unit Prices!

VarioRond - Custom sections are cut directly from stock to your desired lengths - with decreasing prices as the quantity increases! Use the online calculation tool in the WebShop at [www.variorond.de](http://www.variorond.de) to choose the material, diameter, section length, and quantity. Production is usually completed within 24 hours.

Depending on the availability of the raw material, VarioRond is rolled, peeled, or turned in diameter...