

THREAD STEEL ANCHOR BAR

Product catalogue

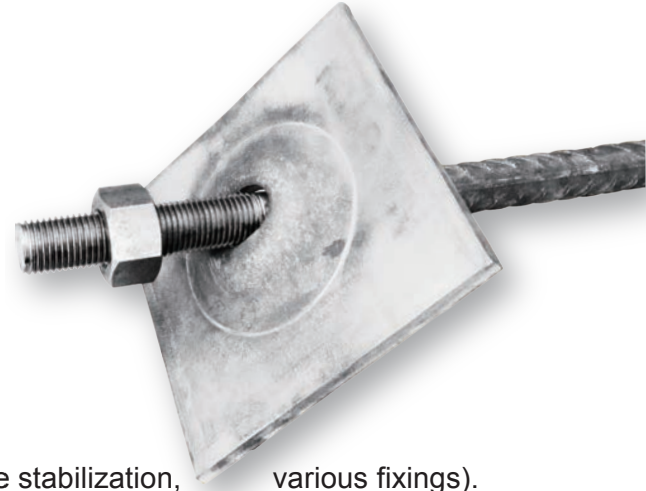


河北玖富工矿配件有限公司
HEBEI JIUFU INDUSTRIAL AND MINING PARTS CO., LTD

JIU FU Passive Rod Anchor from Ribbed Reinforcing Bar

• Description

JF-bar anchor uses a reinforcing bar as a load-bearing element, which has a metric thread on one side. JF rod anchors are used in more demanding, steeper terrains, and in the construction of tunnels.



It can be installed on earthy and rocky terrain (tunnels, slope stabilization, various fixings). Rock and soil anchoring is a construction technique used to increase and maintain the stability of a rock or soil mass. The installation of anchors as reinforcing elements increases the shear strength of the terrain. In this process, anchors are mainly subjected to tensile load..

The anchor rod is obtained when a suitable thread is cold-rolled on the reinforcing rod on one side of the ribbed reinforcing rod. The base plates are made from steel flat sheets (flat steel). The hexagonal nut is nonstandard, with a standard metric thread, it is purpose-built in a CNC machine from hexagonal material.



• Application



Slope protection



Embankment protection



Protection of construction pits

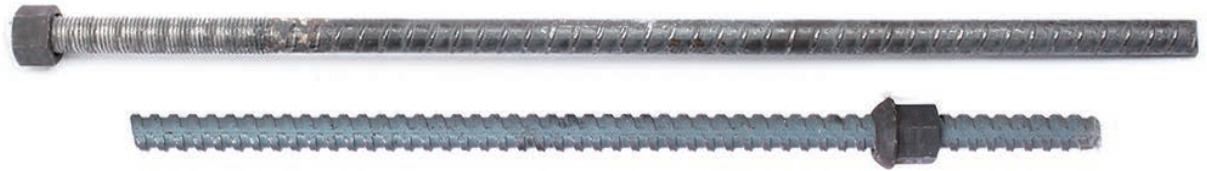


Slope protection combined with nets

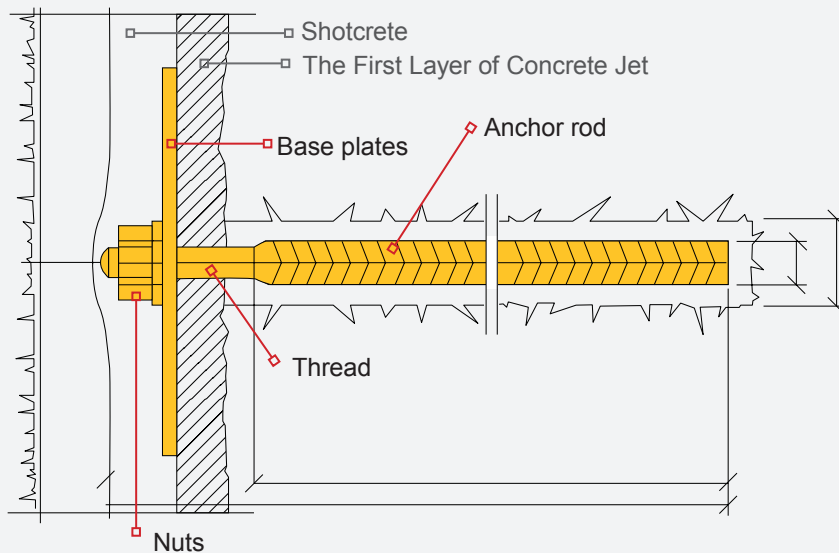


Securing the tunnel and creating an open tunnel front.

The rock and soil anchor system can be used in compact and loose soils and rocks.



• Elements



The anchor consists of the following elements:

- Anchor rod
Reinforcing ribbed rod, different nominal diameter (eg 25, 28, 32 mm);
- Nuts
machined from hexagonal steel;
- Base plates
produced on a press from flat steel;
- Distancer (centralizer)
finished goods.

• Technical Characteristics

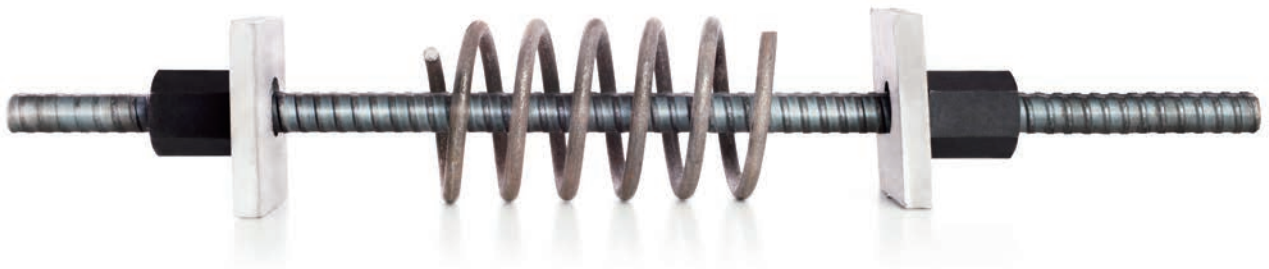
| Diameter | Nut | Nominal tensile capacity $F_{m,nom}$ k min | Force at the yield point $F_{p0,2}$ kN min | Re N/mm ² min | Re N/mm ² 2 min | Plate mm | Spacer d*s mm |
|----------|----------------|--|--|--------------------------------|----------------------------------|--------------------------|---------------------|
| 25 | M25.65 x 3mm | 250 | 220 | 500 | 540 | 150x150x10 200x200x10 | 32 |
| 28 | M28.65 x 3mm | 340 | 300 | 500 | 540 | 200x200x10 150x150x10 | 32 |
| 32 | M33.18 x 3.5mm | 470 | 420 | 500 | 540 | 200x200x12 | 40 |

JIU FU High Strength Thread Bar

• Description

Prestressing screw bars are rolled externally threaded in large diameter, high strength, high dimensional accuracy of straight bars. The bars can be connected at any cross section though coupling or screwed anchored.

Prestressing screw bars are widely used in large-scale water conservancy projects, industrial and civil construction of continuous beam and large frame structure, roads, railways and middle bridges, nuclear power plants and other projects anchor. It is easy for connection, the anchor is simple, strong adhesion, tension anchor is safe, reliable, easy using, etc., and also saving steel, reducing component size and weight.



• Application



Slope protection



Embankment protection



Protection of construction pits



Slope protection combined with nets



Securing the tunnel and creating an open tunnel front.

The rock and soil anchor system can be used in compact and loose soils and rocks.

JIU FU High Strength Thread Bar

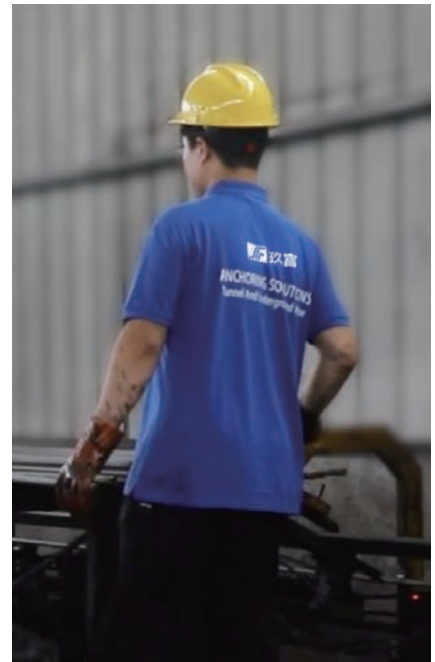
• Technical Characteristics

| Diameter (mm) | Cross-sectional area(mm ²) | Weight (kg/m) | PSB830 | | | |
|---------------|--|---------------|-----------------------|------|-----------------------|------|
| | | | Min Yield Stress/load | | Min Yield Stress/load | |
| | | | Mpa | kN | Mpa | kN |
| 15 | 177 | 1.4 | 830 | 147 | 1030 | 182 |
| 20 | 314 | 2.47 | 830 | 261 | 1030 | 323 |
| 25 | 491 | 4.1 | 830 | 408 | 1030 | 506 |
| 32 | 804 | 6.65 | 830 | 667 | 1030 | 828 |
| 36 | 1018 | 8.41 | 830 | 845 | 1030 | 1049 |
| 40 | 1257 | 10.34 | 830 | 1043 | 1030 | 1295 |
| 50 | 1963 | 16.28 | 830 | 1629 | 1030 | 2022 |

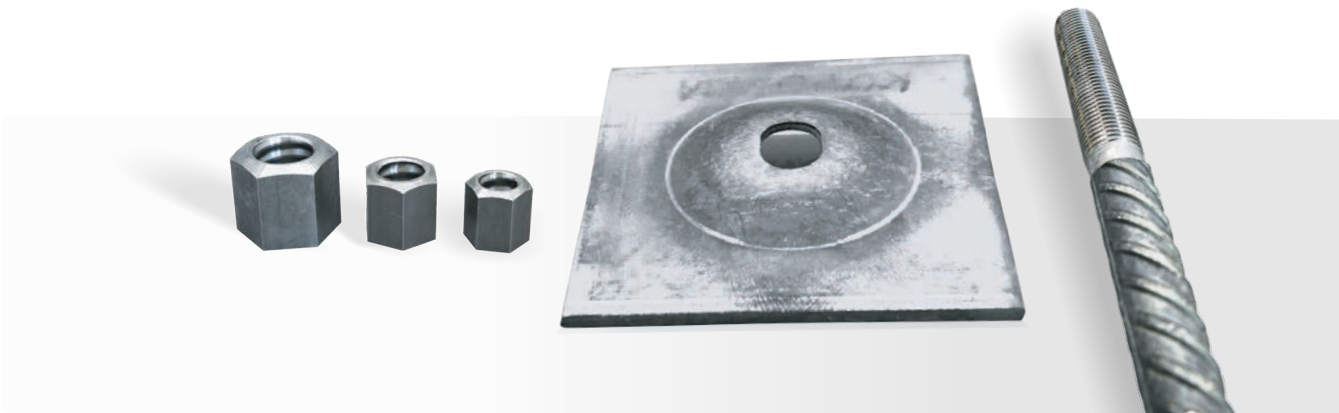
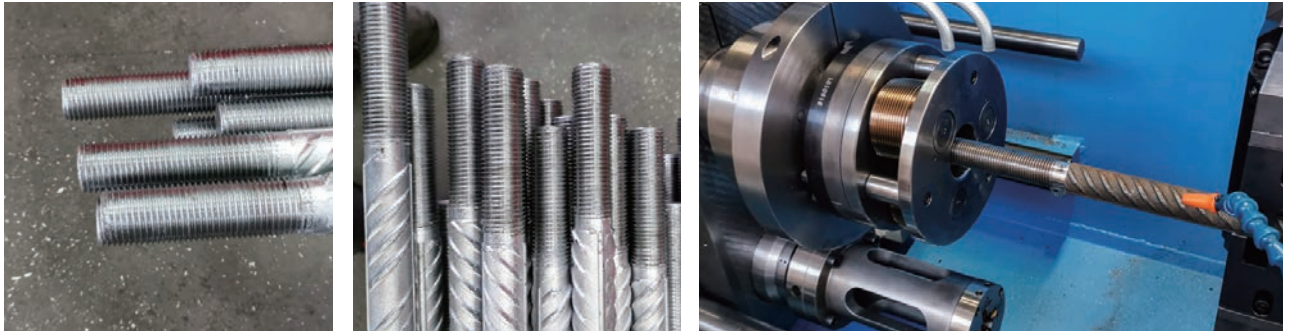
| PSB930 | | | | PSB1080 | | | |
|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|------|
| Min Yield Stress/load | | Min Yield Stress/load | | Min Yield Stress/load | | Min Yield Stress/load | |
| Mpa | kN | Mpa | kN | Mpa | kN | Mpa | kN |
| 930 | 165 | 1080 | 191 | 1080 | 191 | 1230 | 218 |
| 930 | 292 | 1080 | 339 | 1080 | 339 | 1230 | 386 |
| 930 | 457 | 1080 | 530 | 1080 | 530 | 1230 | 604 |
| 930 | 748 | 1080 | 868 | 1080 | 868 | 1230 | 989 |
| 930 | 947 | 1080 | 1099 | 1080 | 1099 | 1230 | 1252 |
| 930 | 1169 | 1080 | 1358 | 1080 | 1358 | 1230 | 1546 |
| 930 | 1826 | 1080 | 2120 | 1080 | 2120 | 1230 | 2414 |

• Installation

When installing the anchor rod, a plastic spacer is used to properly center the anchor in the hole. The spacer is made of PVC material. Since the spacer is a lost commodity and remains whole in the concrete, only the dimensions are controlled. During the installation process, the embedded anchor has a protective layer of injection compound.



• Production





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