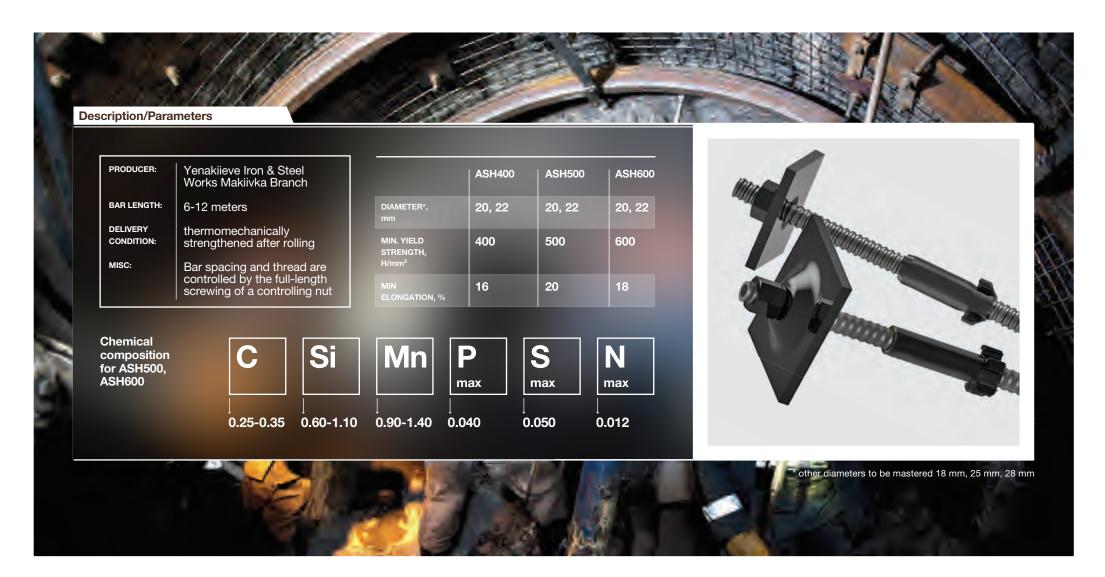


Thread bars for rock bolting

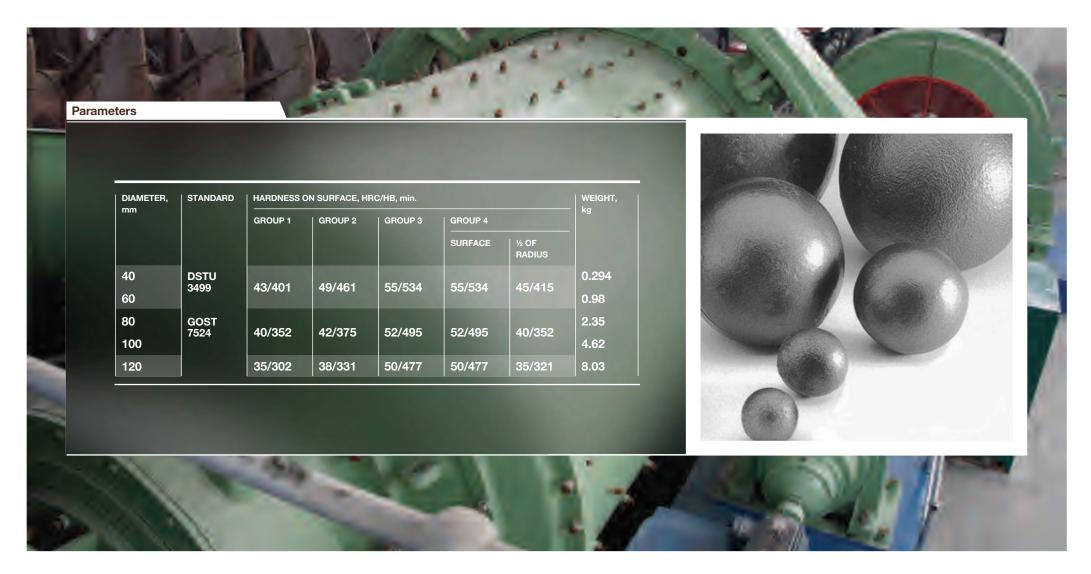
Rock bolts are steel rod inserted into holes drilled into the roofs or walls of rock formations to provide support to the roofs or sides of the cavities. Rock bolt reinforcement can be used in any excavation geometry, including mines and tunnels. Thread bars have a continuous, right hand thread rolled on it.





Grinding balls

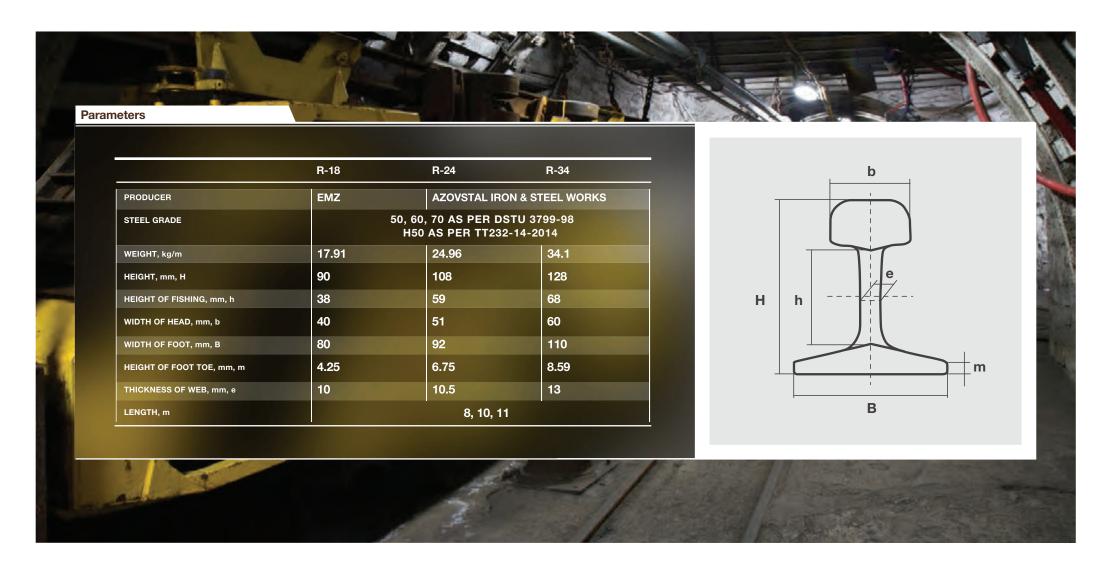
Grinding balls are made from high carbon steel with proper alloying elements. They are used to grind mineral resources (any kind of ore, cement, etc.) in grinding mills. Steel balls are loaded into the mills and added on a regular basis. Metinvest produces grinding balls rom high carbon steel (0.40-1.10% of C content) at Azovstal Iron & Steel Works.





Light rails

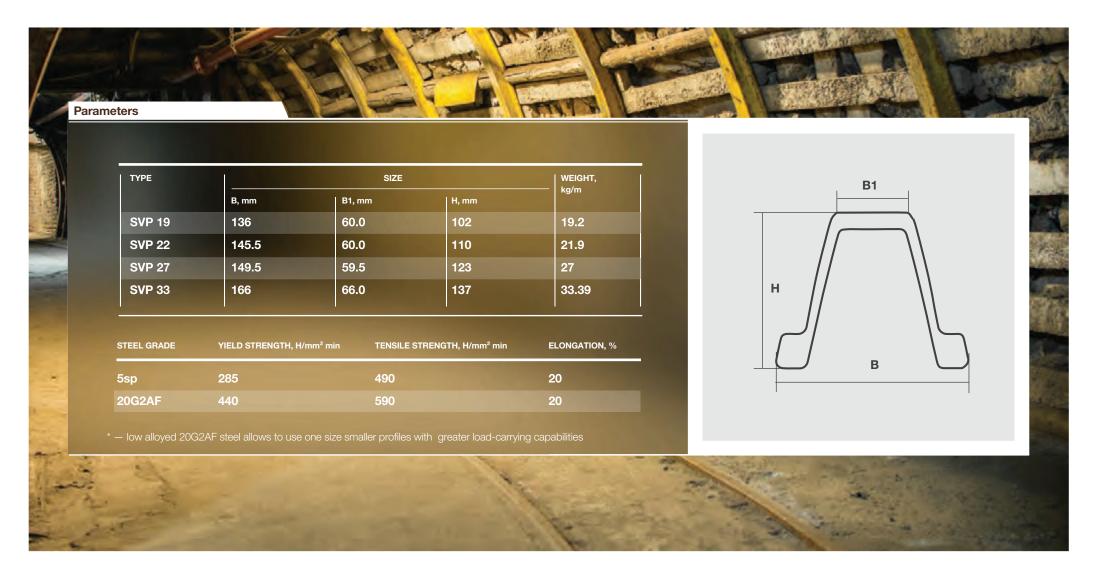
Light rails are used to construct narrow gauge railway lines. These rails are widely used by mines, mills to transport cargos in small railcars with a capacity of 0.5-8 m³. METINVEST is capable of producing heavy rails such as S-49, R-50, R-65, UIC-60, OR-50, OR-65, GT-140PS with a length of up to 25 meters.





Support section profiles

All underground mine workings must have reliable support that meets necessary technical requirements for strength, toughness, flexibility. Mining support section profiles are used to prevent mine working from failing. These sections can be installed every 0.7-1 meter on average. Metinvest produces support section profiles at Azovstal Iron & Steel Works.





High strength plates

BENEFITS:

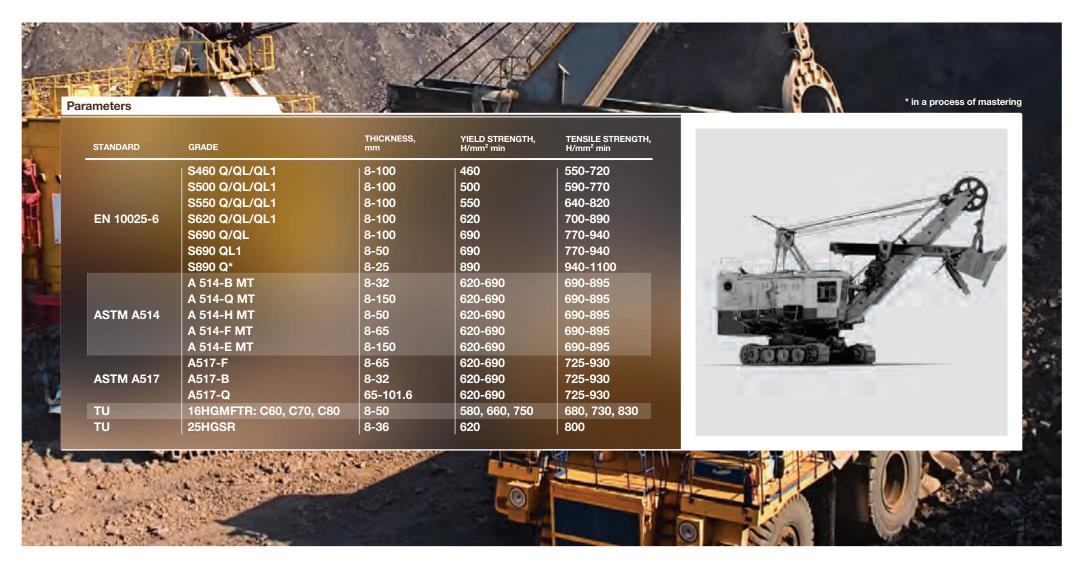
Longer service time

Higher payload

Lower costs for repairs and maintenance

Improved productivity

High strength steel has high hardness and strength values that a few time higher than ordinary steel. These properties are achieved through heat treatment and low alloying. Q&T steel's wear resistance characteristics help to improve the service time of equipment in difficult, high-wear mining conditions. Q&T steel plate application: truck bodies, bucket components, earthmoving and mining equipment, etc. Metinvest produces Q&T steel plates at Azovstal Iron & Steel Works and has a long successive history of supplying locally and globally (USA, Europe, CIS).





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