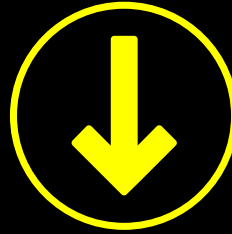




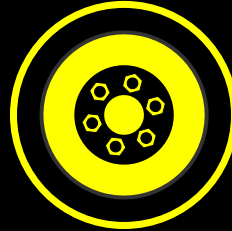
TIRE PROTECTION
AGAINST STONE CUTS



LESS RISK OF
SUDDEN DOWNTIME



ADDITIONAL
TRACTION



LESS FREQUENT
TIRE CHANGES

ROCKBLOCK

T I R E P R O T E C T I O N



DROP FORGED
HEAT TREATED
LIFETIME OPTIMIZED



HEADQUARTER IN
AUSTRIA.
TOP QUALITY
EUROPEAN STEEL.
MADE IN EUROPE.



OPTIONAL
INSTALLATION
SUPERVISION SERVICE



GLOBAL SALES
NETWORK AND
WORLDWIDE SHIPPING

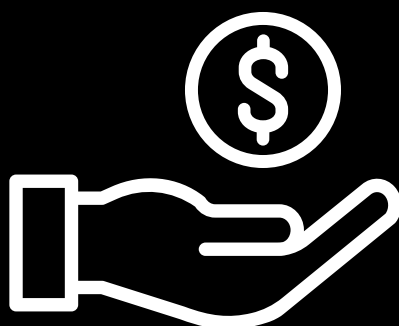
THE COST EFFICIENCY EXPERTS



THE COST EFFICIENCY EXPERTS

ROCKBLOCK Mission statement: provide tire protection with longer lifetime, less weight and higher cost-efficiency via innovative designs and specialized materials.

ROCKBLOCK Vision statement: The Cost Efficiency Experts.



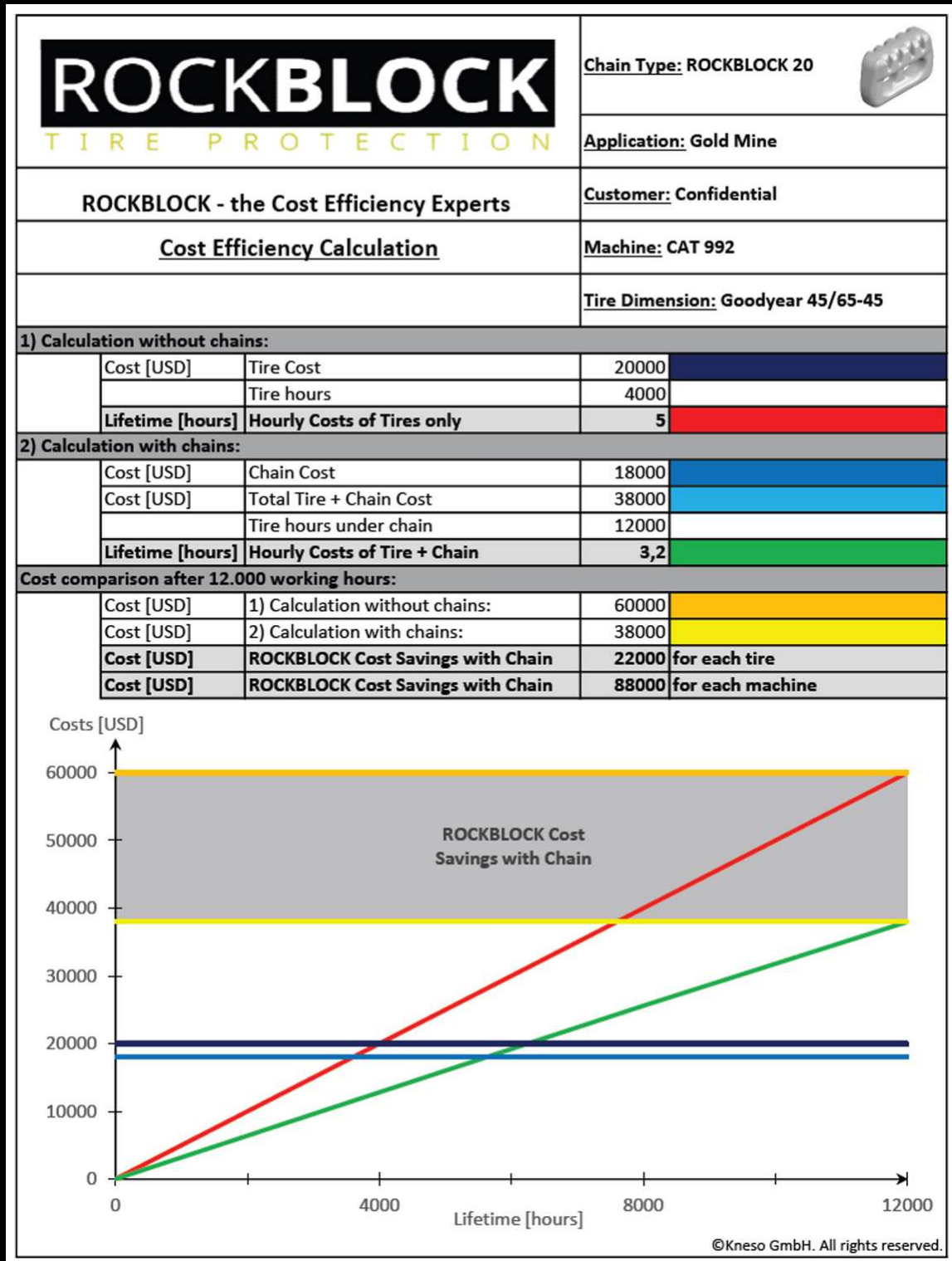
- Not for every application a tire protection chain is financially beneficial!
- If you save big money, if you save small money or if you lose money with tire protection chains we determine for you
- You also need to select the correct chain type to achieve maximum cost-efficiency.
- We make a free of charge cost-efficiency calculation for you, because we are
ROCKBLOCK - THE COST EFFICIENCY EXPERTS

In the optimum case you choose a tire protection lifetime that has the same lifetime of your tires underneath the chain.

We help you to calculate your tire protection chain and tire lifetime under the chain based on your rock type, sand conditions, driving distances, tire size, tire brand and machine used.



THE COST EFFICIENCY EXPERTS

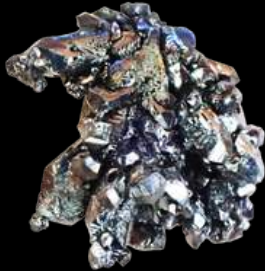


We create your Cost-Efficiency-Calculation for your individual conditions free of charge. We can also compare your costs when using different ROCKBLOCK chain types or also compare ROCKBLOCK chains vs other Tire Protection Chain producers for cost-efficiency for your application. We only sell you chains, in case you really benefit from it. Contact us today office@rockblock-tireprotection.com, we respond within 48 hours always.

WHAT ARE OUR CHAINS MADE OF?



The link material consists of highest quality chrome (CR) alloyed tempered steel. Depending on the link shape and machine size additional elements Vanadium (V), Manganese (Mn) and/or Molybdenum (Mo) are added on large chains for additional performance.



Vanadium (V)



- rarely found in nature
- mainly used to produce specialty steel alloys
- Vanadium forms stable nitrides and carbides, resulting in a significant increase in the strength of steel



Manganese (Mn)



- it improves strength, workability, and resistance to wear
- it is essential to iron and steel production by virtue of its sulfur-fixing, deoxidizing, and alloying properties



Molybdenum (Mo)



- Molybdenum can withstand extreme temperatures without significantly expanding or softening, making it useful in environments of intense heat, including military armor, aircraft parts, electrical contacts, and industrial motors



- With up to 1000 tons the links are drop forged with high tech hydraulic pneumatic hammers to get resistant grains and maximize chain link lifetime



- The chains are heat-treated for maximum durability

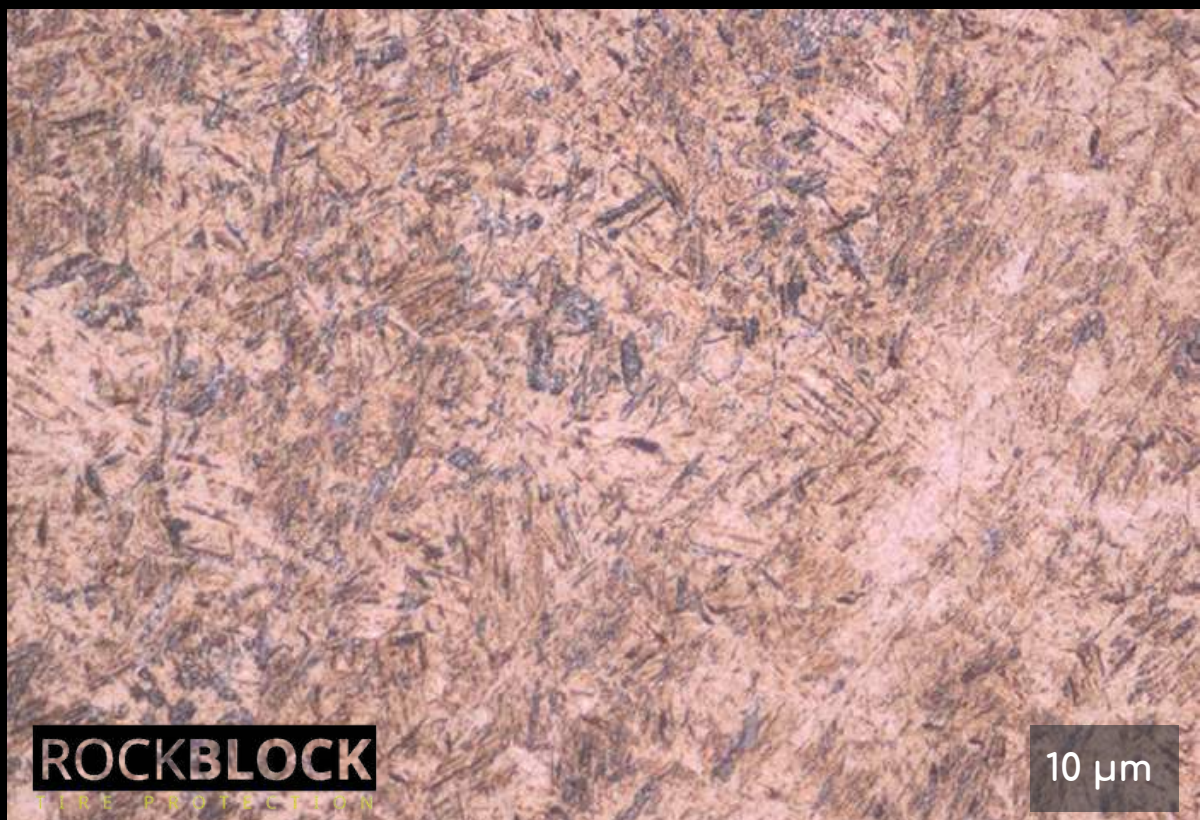
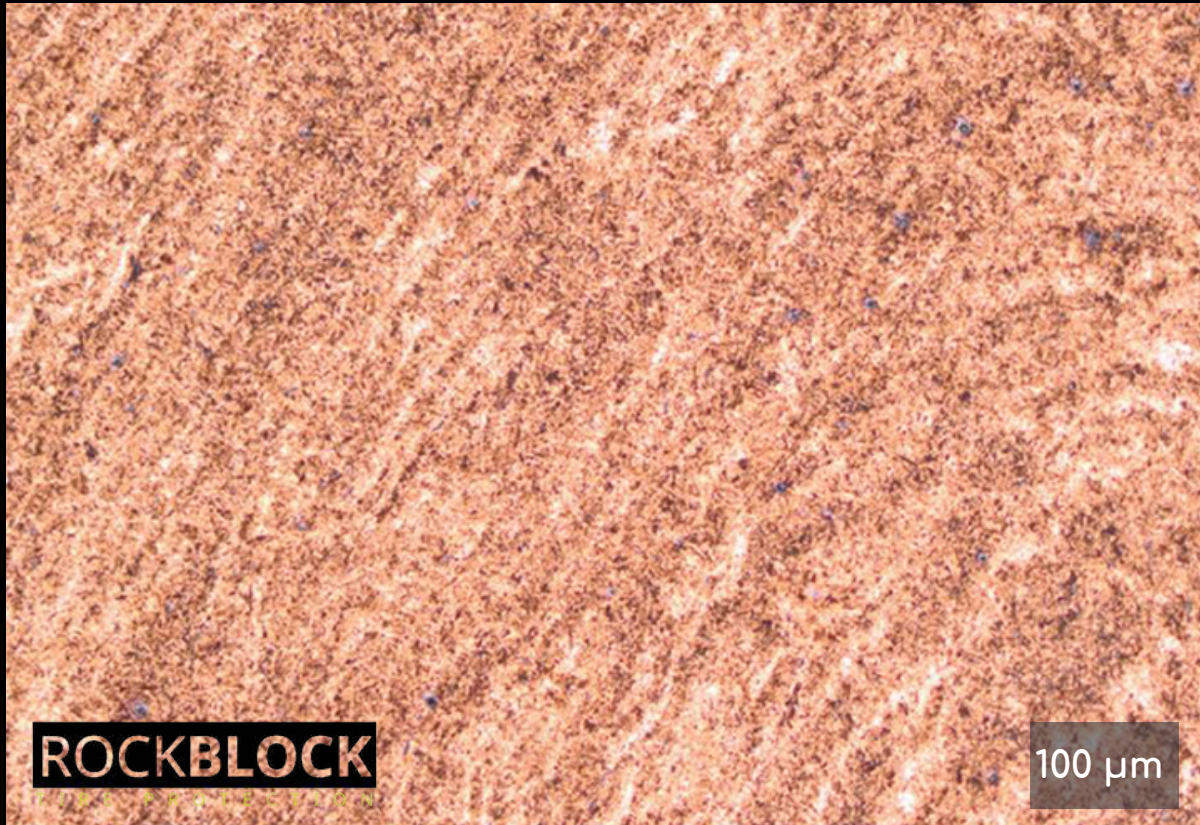


- Headquarter in Austria.
- Top Quality European Steel.
- Made in Europe

QUALITY REPORT 1/3

Metallurgic Analysis

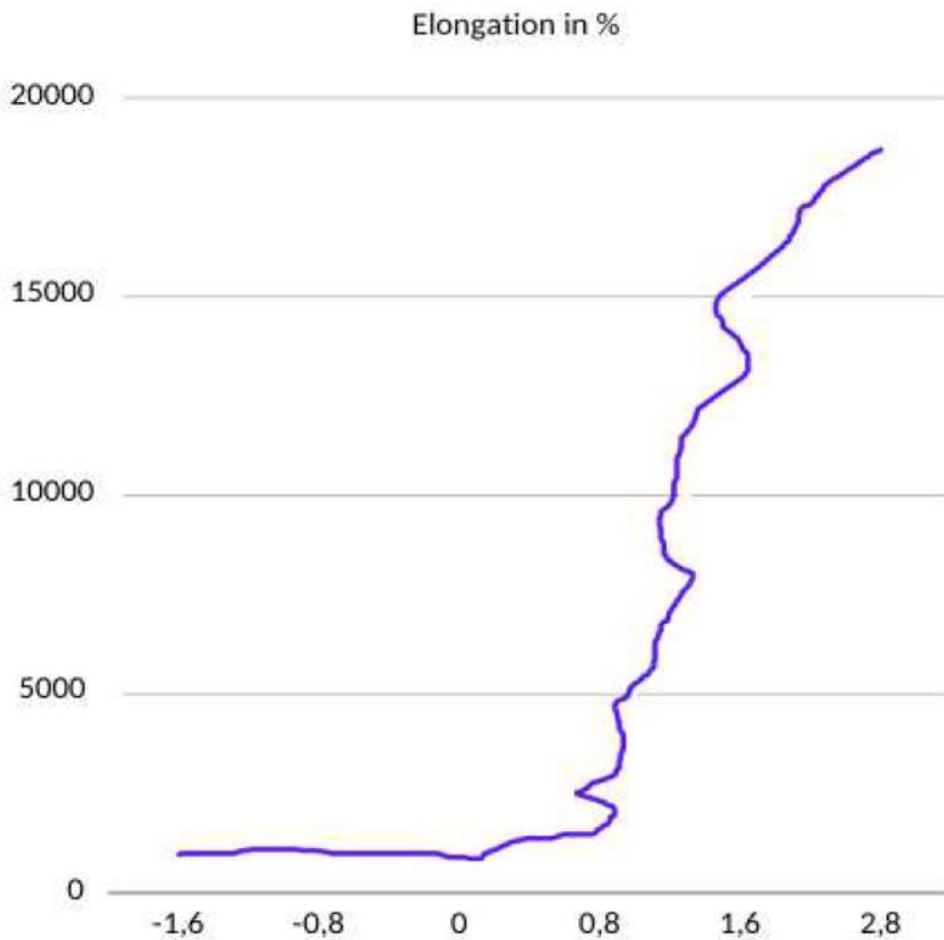
Each produced chain is 100% quality tested in 3 steps before it ships out.



QUALITY REPORT 2/3

Ring Breaking Test

Each produced chain is 100% quality tested in 3 steps before it ships out.



Fm	18618.300 kg
Rm	59.3 kg/mm ²
L0	72.000 mm
L1	74.066 mm

QUALITY REPORT 3/3

Link Hardness Test

Each produced chain is 100% quality tested in 3 steps before it ships out.

ROCKBLOCK
TIRE PROTECTION

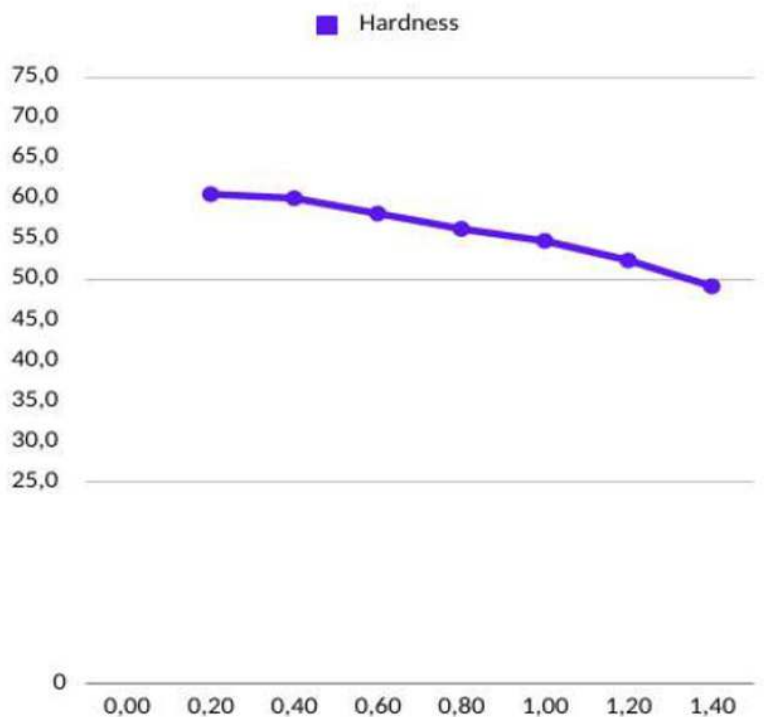
Controlled By: Confidential

Confirmed By: Confidential

QUALITY CONTROL REPORT

Depth	Hardness	Hardness
mm	HRC	HV
0,20	60,60	712,0
0,40	60,10	699,0
0,60	58,20	658,0
0,80	56,30	620,0
1,00	54,80	592,0
1,20	52,40	551,0
1,40	49,20	500,0
1,60		
1,80		

Core Hardness: 46 HRC / 458 HV



Product: ROCKBLOCK 20

Material and Party Code: Confidential

Total Sample	1
Controlled Quantity	1
Confirmed Quantity	1
Rejected Quantity	0
Control Date	02.11.2022

APPLICATION AREAS

OPEN PIT MINING



Characteristics:

- large tire sizes and heavy machineries
- ideal for Copper, Gold, Iron Ore, Coal, etc.

Solutions:

- Cost efficiency calculation required: Tire life and chain selection depends on the surrounding rock material. On some applications, a tire protection chain offers large cost savings while at other applications it is better to not use a tire protection, we help you with our cost effectiveness calculation to choose the best option for you.
- Selective heat treatment on the tire protection chain for additional breaking strength on connecting rings.
- Additional traction to load more material in each bucket faster is preferred.



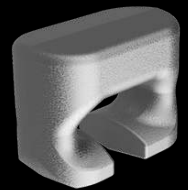
ROCKBLOCK CLASSIC



ROCKBLOCK STANDARD



ROCKBLOCK BASEROCK™



ROCKBLOCK ULTRAROCK™

QUARRYING



Characteristics:

- Medium to large tire sizes
- Sandy and abrasive conditions
- Tire sidewall needs additional protection
- Additional traction to load more material in each bucket faster is preferred

Solutions:

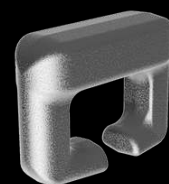
- Tire Protection Chains especially in limestone for cement plants is extremely cost efficient as rocks are sharp and tire chain lifetime is long.
- Chain with less wear volume and therefore lower purchasing costs are preferred.
- Steel selection and heat treatment of rings are important as the chain lifetime is usually many years/decades on the same machine. Use cheaper links but expensive rings is the best solution here.



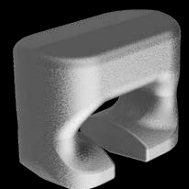
ROCKBLOCK CLASSIC



ROCKBLOCK STANDARD



ROCKBLOCK BASEROCK™



ROCKBLOCK ULTRAROCK™

APPLICATION AREAS

UNDERGROUND MINING AND TUNNELING



Solutions:

- Durable tire protection with high wear volume, high tech steel selection and heat treatment.
- Tight chain mesh on tire sidewall

Characteristics:

- Small tire sizes
- Sandy and abrasive conditions
- Tire sidewall needs additional protection



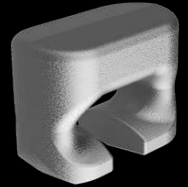
ROCKBLOCK
CLASSIC



ROCKBLOCK
STANDARD



ROCKBLOCK
BASEROCK™



ROCKBLOCK
ULTRAROCK™

HOT SLAG STEEL PLANT & SCRAP HANDLING



Solutions:

- Due to high temperature and hard driving surface a medium lifetime chain at competitive pricing is the preferred solution.
- Tire Protection Chains are cost efficient in nearly all hot slag applications, as the tire chain shields the tire from the heat.

Characteristics:

- Medium tire sizes
- High temperatures or sharp metal objects
- Hard driving surface
- Longer driving distances



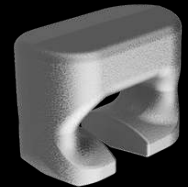
ROCKBLOCK
CLASSIC



ROCKBLOCK
STANDARD



ROCKBLOCK
BASEROCK™



ROCKBLOCK
ULTRAROCK™

TRACTION: SNOW IN WINTER SEASON, MUD IN RAINY SEASON



Solutions:

- Special designed traction chain for mining is needed, standard snow chains are not working due to high forces, rocks and high wearing rate.
- Low weight, fast installed chain with high breaking force rings and durable links.
- Open mesh for maximum traction and lowest weight

Characteristics:

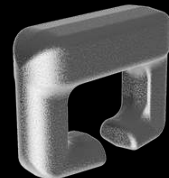
- Medium to large tire sizes
- Long driving distances
- Temporary Use



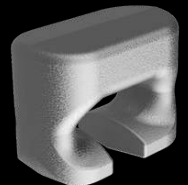
ROCKBLOCK
CLASSIC



ROCKBLOCK
STANDARD




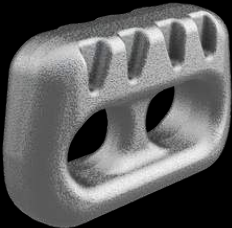


ROCKBLOCK
BASEROCK™



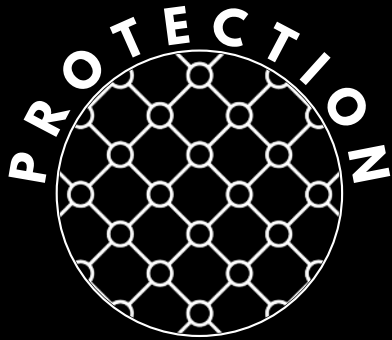
ROCKBLOCK
ULTRAROCK™

PRODUCTS

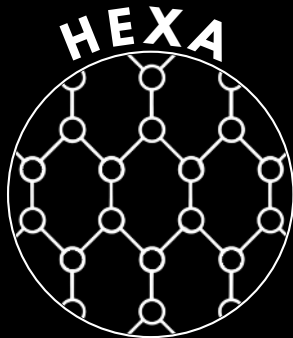
The new ROCKBLOCK® chains are the result of years of research and development, aligned with our mission and vision to provide tire protection solutions with greater durability, lower weight and greater cost-effectiveness.

		RING DIAMETER	MACHINE WEIGHT	TIRE SIZE
ROCKBLOCK CLASSIC		12, 18, 21 mm	up to 400 tons	up to 70/70-57
ROCKBLOCK STANDARD		14, 18, 20, 23 mm	up to 400 tons	up to 70/70-57
ROCKBLOCK BASEROCK™		16, 20 mm	up to 200 tons	up to 45/65-45
ROCKBLOCK ULTRAROCK™		16, 20, 23 mm	arriba a 400 tons	up to 70/70-57

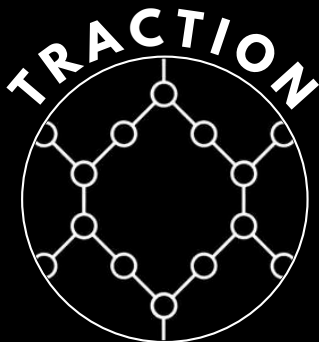
MESH



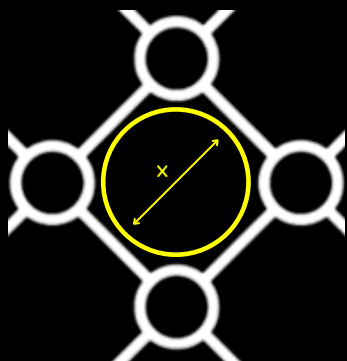
The smaller ring sizes you use, the tighter the mesh gets and the better protect are your tires, but the chain lifetime is lower. Contact us to consult you to find the perfect ring size for your best value for money.



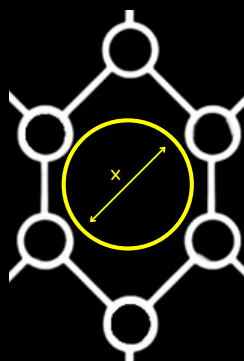
offers good traction and limited protection. usually only used on smaller machines with smaller rings (ROCKBLOCK 12 or ROCKBLOCK 16). Offers traction with little additional tire protection against large stones.



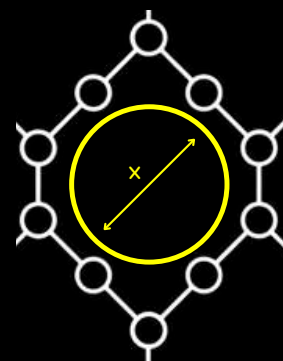
No tire protection. Heavy-duty traction chain designed for the rough conditions in the mining environment. Used to massively increase traction in winter for snow or rainy season for mud. Faster and easier installation compared to Hexa and more lightweight, the standard for short to medium term traction needs.



PROTECTION

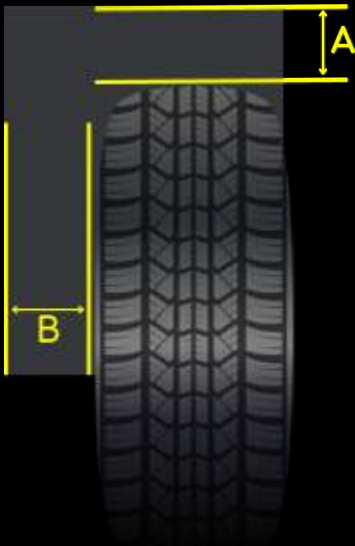


HEXA



TRACTION

CLEARANCE



most popular types:

ROCKBLOCK CLASSIC 12:	A = 42mm, B=62mm
ROCKBLOCK CLASSIC 18:	A = 80mm, B=105mm
ROCKBLOCK CLASSIC 21:	A = 80mm, B=105mm
ROCKBLOCK BASEROCK 20:	A = 80mm, B=105mm
ROCKBLOCK ULTRAROCK 23:	A = 100mm, B=120mm

SPARE PARTS

Our spare parts can repair any damaged link or ring easily in about 1-2 minutes, without the necessity to stop working or drive the machine back to the workshop.



LINK SPARE PART



RING SPARE PART

Additional spare parts like shackle or tensioning chain available on request.

MAINTENANCE

The main goal of tire protection is to save money and time:

- to save tire costs
- prevent any unexpected tire damage and expensive unexpected downtime
- reduce the number of tire changes and as a result reduce the hours the machine spends in the workshop
- reduce storage space, less tires on storage needed

Therefore, our chains are designed so that there is minimal maintenance.

You do not have to fix any link or ring breakages immediately as you can easily continue working with a few breakages in your chain. No need to stop the machine, let the machine run and earn money.

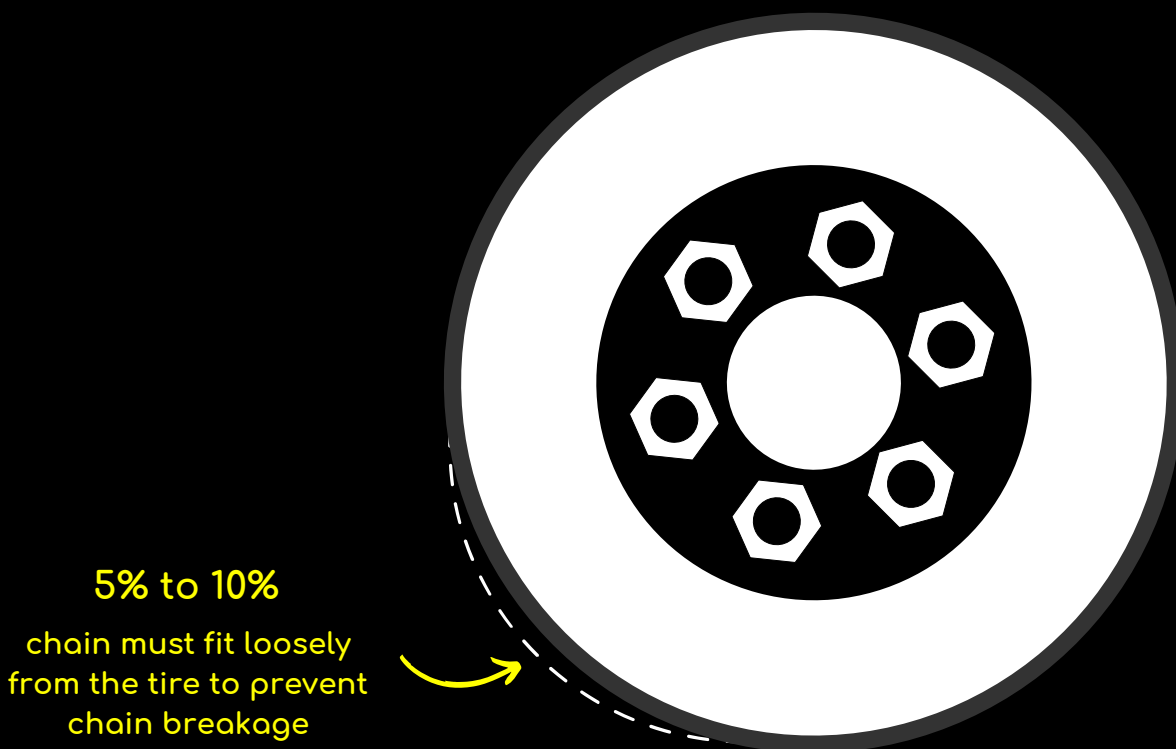
Breakages can be repaired within minutes at the end of the shift or periodically at planned maintenance checks or whenever you prefer.

We are overengineering our chains and that means you can continue working with a few breaks as the remaining chain parts can handle the forces.

RECOMMENDED TENSIONING

Correct Chain Tension:

- you can still pull away the tire protection chain manually from the tire sidewall
- at the tire's base, a small bag at the center of the base must be visible
- the bag's size should be between 5% to 10% of the tire's width



FAQ

- **How can we know if a tire protection chain is cost beneficial for us?**

A tire protection chain is not automatically cost beneficial for all applications. There are also applications where a tire protection chain does not make any sense. We do a cost efficiency calculation for you free of charge, contact us at office@rockblock-tireprotection.com or ask our local reseller in your country.

- **We have no experience with tire protection chain, how are we able to do the installation?**

We offer installation services; it is a paid service option we offer. Tell us your location and preferred installation time, and we send one of our experts to you to supervise the unpacking, installation and maintenance training with you.

- **To which countries do you deliver?**

We deliver worldwide, contact us at office@rockblock-tireprotection.com or ask our local reseller in your country.

- **Are ROCKBLOCK chains good quality?**

The quality of a chain depends on a number of factors, especially the quality of the raw material, the design of the links and the welding and heat treatment processes of the chain. We use European raw materials, with constant innovations from our headquarters in Austria. In addition, our factory and partners in Europe allows us to offer competitive prices without compromising on quality.

- **The weight on the tire increases, will our fuel consumption be higher?**

Yes, the fuel consumption does slightly increase. Traction increases too which leads to fuller wheel loader buckets and faster loading times. We see that the faster loading times.

- **How long does the tire last under the chain?**

In most cases between 5.000 to 12.000 hours tire lifetime. Contact us at office@rockblock-tireprotection.com for your free cost efficiency calculation.

- **What is the difference between ROCKBLOCK compared to other Tire Protection Chain manufacturers?**

We are a relatively young company with a focus on the latest technologies and innovations. At ROCKBLOCK you can get customized and optimized products. In addition, our production method results in reduced energy consumption and labor cost savings to achieve the best price-performance ratio for you. Saving money and having a worry-free chain solution is the value you are looking for in a tire protection chain. In addition, we offer installation services worldwide with our experts (all destinations that are accessible with an Austrian passport and are free from travel warnings or armed conflicts). We do not hide behind our laptops, we are happy to meet you personally and if problems occur, we are there for you and respond quickly with solution options.

PRODUCTION TIME & SHIPPING



- Production time takes 1 to 2 months depending on the tire protection type and quantity



- available for clients based in Europe
- takes 1 to 2 weeks depending on location
- DAP (delivery at place) included in quotation to your warehouse of choice within Europe which is accessible via paved public road



- ROCKBLOCK's standard shipping method
- 1 to 2 months turnaround time from Europe to anywhere in the world
- CIF (cost and insurance for sea shipment) is included going to your country's main harbor
- recommended for European clients located at the far north or far west and will take 3 to 5 weeks



- Urgent deliveries via air shipping worldwide takes 1 to 2 weeks

Global sales partner network with custom clearance, local payment terms in local currency and local after sales service is available in most countries.

If you are a large enterprise and like to do the custom clearance yourself and do not need local support, you can also purchase directly via pre-payment bank transfer from our headquarters at Kneso GmbH in Austria.

ROCKBLOCK

T I R E P R O T E C T I O N

CONTACT US

Headquarter:
ROCKBLOCK GmbH, Laßnitzthal 384,
8200 Gleisdorf, AUSTRIA

SCAN ME



VISIT OUR WEBSITE



www.rockblock-tireprotection.com

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SEND US AN EMAIL



office@rockblock-tireprotection.com



DROP FORGED
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