

BYG

WEAR PARTS

EARTHMOVING MACHINERY

HISTORY

BYG manufactures and distributes adaptable spare parts for the main brands of earthmoving, quarrying and mining machinery.

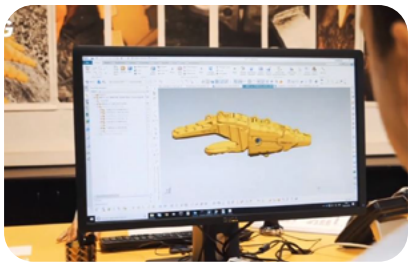
The history of BYG is a constant commitment to innovation closely linked to the concerns and needs of our customers and the market.

Thanks to our own engineering, quality and R&D department we develop pioneering products.



INNOVATION & ENGINEERING







- R&D department with cutting-edge technology
- Continuous product development based on customer needs
- Efficient and high-performance design for every application
- Quality, experience, and reliability to reduce costs and boost productivity



INDUSTRIES

OEM

CONSTRUCTION

DREDGING

DEMOLITION

MINING



PRODUCTS

BLADES

OVERLAY

WEAR PARTS

FASTENERS

HYDRAULIC BREAKER TOOL

CARBIDE TOOL

DEMOLITION TOOLS

TYRES

QUALITY & SERVICE

BYG on line



- EASY TO USE
- STOCK INQUIRIES
- 24/7
- FULL ACCOUNT DETAILS
- EXCLUSIVE PROMOTIONS

b2b.byg.com

ISO 45001 HEALTH & SAFETY MANAGEMENT

UKAS MANAGEMENT SYSTEMS 0015

ISO/IEC 27001 SISTEMA DE GESTION

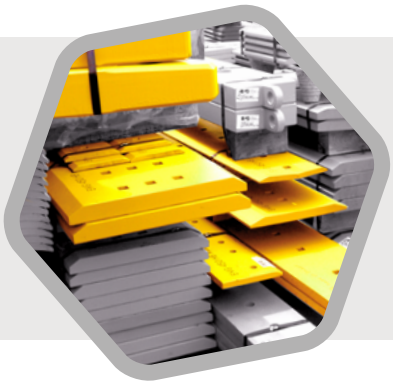
ISO 9001 SISTEMA DE GESTION

ISO 14001 SISTEMA DE GESTION

STANDARD BLADES

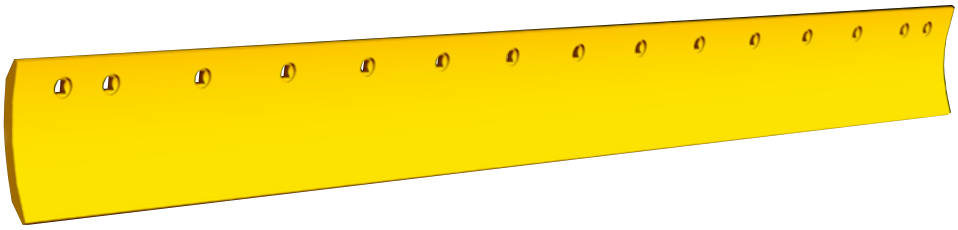
BYG offers a **wide range of blades and endbits** that cover all models and makes in the market. Designed to protect and extend the life of the components of your machinery.

BYG blades are **manufactured** in different alloys depending on the **strength, penetration and wear resistance.**



HIGH CARBON

EDGES FOR BULLDOZER, LOADER, SCRAPER AND GRADER

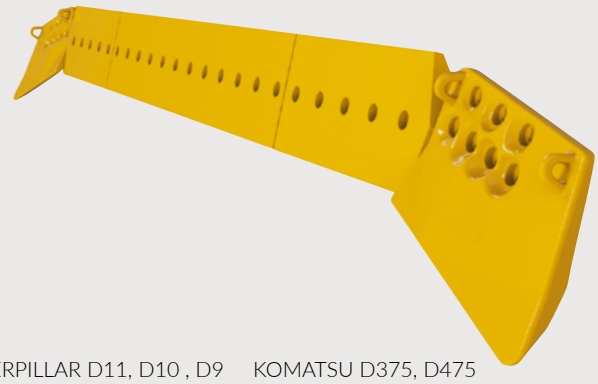


250-280 HB

BORON

EDGES FOR BULLDOZER, LOADER, SCRAPER AND GRADER

Large Inventory
of Oem Part Numbers

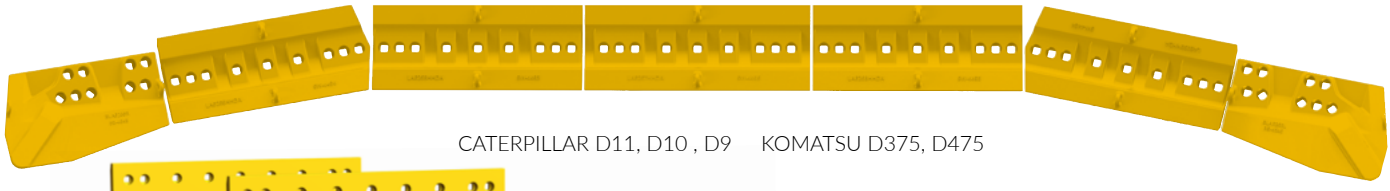


CATERPILLAR D11, D10 , D9 KOMATSU D375, D475

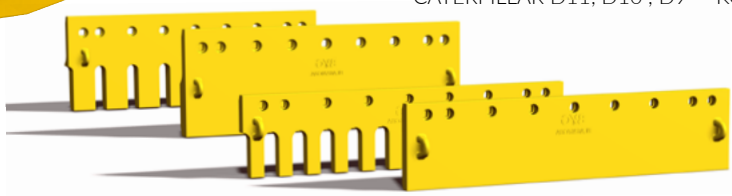
- Bucket Lips
- Loader Edges
- Bulldozer Blades
- Scraper Blades
- Wear Plates
- Flat Sections

450-500 HB

CAST



CATERPILLAR D11, D10 , D9 KOMATSU D375, D475



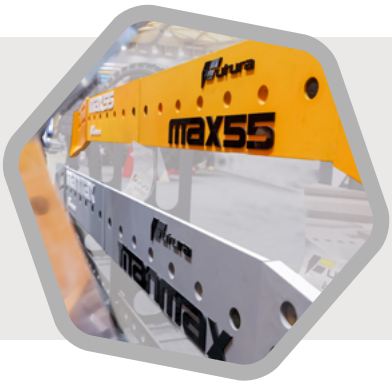
CATERPILLAR 160H 160M 14H 14M 16H 16M 18 M, 24H, 24M

480-520 HB

CAST BLADES FOR BULLDOZER AND GRADERS

Special cast blades for use in high abrasion and or high impact conditions. They are notably reinforced and provide greater resistance to breakage compared to rolled blades. BYG specialises in cast blades for bulldozer and grader machines.

PREMIUM BLADES



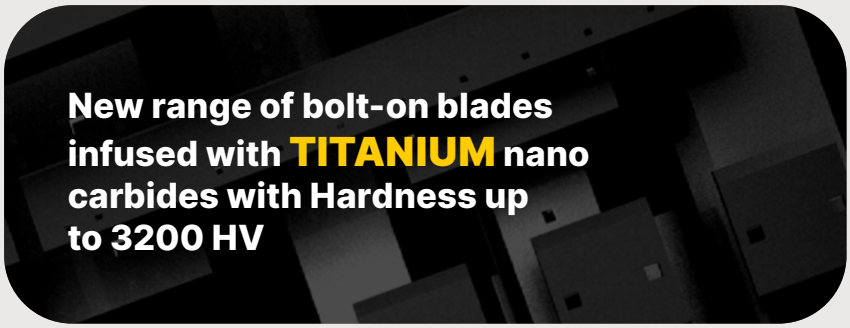
FUTURA TITAN MAX and MAX 55 blades offer a **60% longer service life** and **greater abrasion resistance**. Available as base and bolt-on blades for dozers, scrapers and tractors, they guarantee durability and high performance.

Futura MAX 55



FUTURA Max55: +60% wear life compared to other 500 brinell boron steel

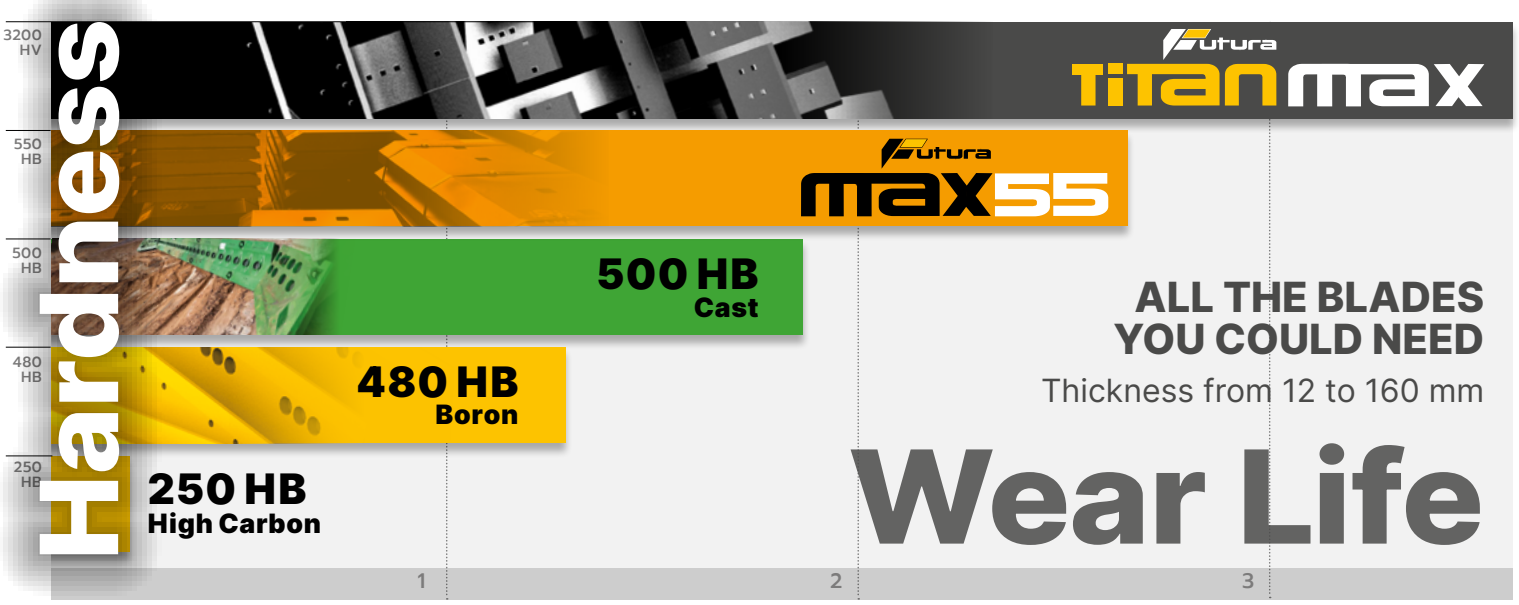
550HB



New range of bolt-on blades infused with TITANIUM nano carbides with Hardness up to 3200 HV

Futura TITAN MAX

620HB



ALL THE BLADES YOU COULD NEED

Thickness from 12 to 160 mm

Wear Life

CUTTING EDGES

BYG Blades are manufactured in different qualities and sizes, according to work requirements of your machines.

BYG **produces high quality carbon alloy blades** that reach a hardness of **250 HB** or boron alloy blades that reach **620 HB**.



SINGLE BEVEL

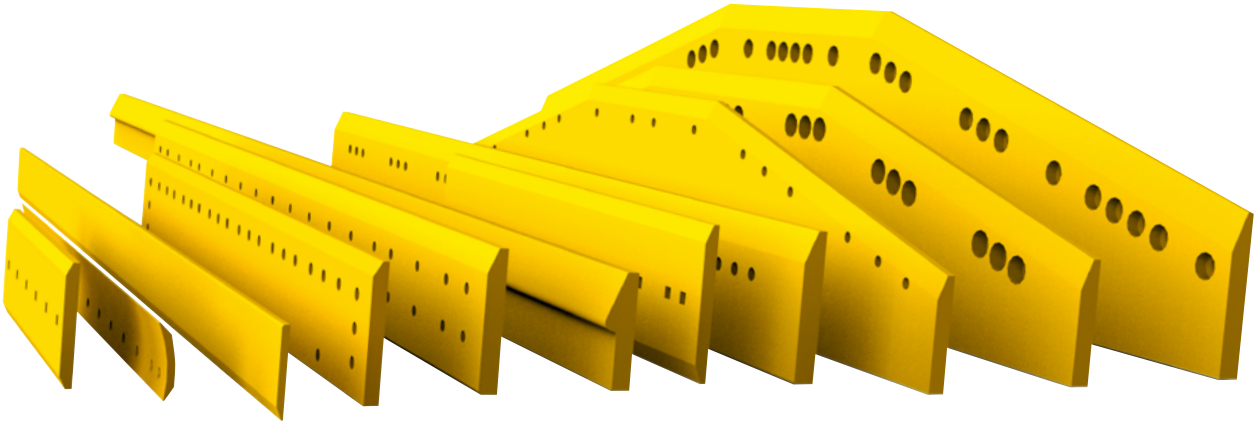
GROUSER BARS

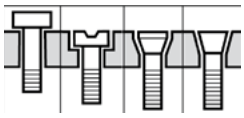
STRAIGHT

HALF ARROW

DRILLED DOUBLE BEVEL

DOUBLE BEVEL





Tipos de Furos

PRODUÇÃO CNC ROBOTIZADA



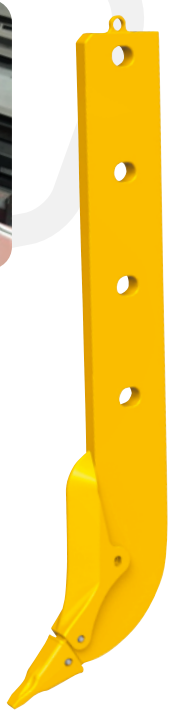
SOLDADURA DOS LÁBIOS COMPLETO



ESTRIPADORES FABRICADOS EM UMA ÚNICA PEÇA



HARDNESS, Brinell HB	350HBW
THICKNESSES	40-120mm
TYPICAL VALUES of...	
for thickness <70 mm	95J
for thickness <70 mm	70J
for thickness <70 mm	980 MPa
for thickness <70 mm	900 MPa



CHROME & TUNGSTEN OVERLAY



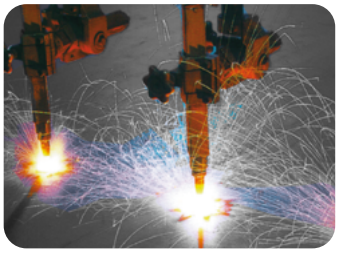
Bimetallic sheets and profiles consist of **chromium carbide plates welded on a malleable steel base.** They are also excellent in applications where parts are subject to heavy abrasive wear.

FOUNDRY



Steel casting
Parts from 0.5 Kg.
up to 12.000 Kg.

PLASMA



Cutting
of steels up to
160 mm. thick

HARDFACING

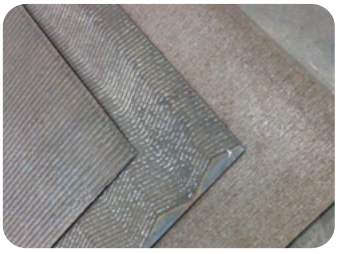


Manufacturing
of Blades
Bimetallic



OVERLAY

Chromium carbide, tungsten carbide and complex carbide refills are available. We will advise you on the solution best adapted to your needs.



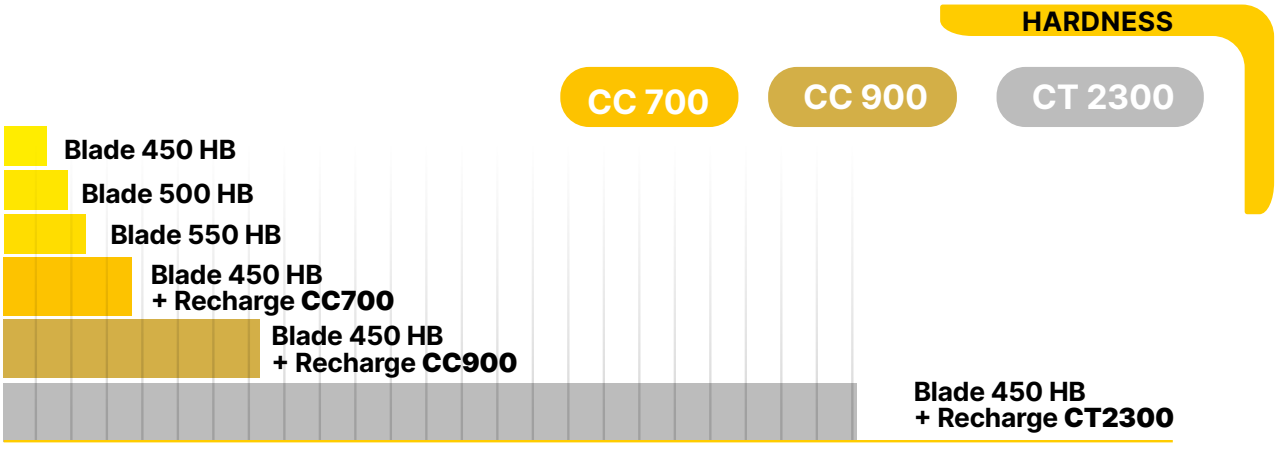


CHROMIUM CARBIDE

BASE STEEL S235JR

BYG 400/450/500/550

CROM 700/800/950
TUNGSTEN 1000



TEETH & ADAPTERS

BYG Classic parts produces in **high quality steels** that allow to obtain **hardness higher than 500 Brinell,** thus ensuring against any defect or breakage all the cutting tools.

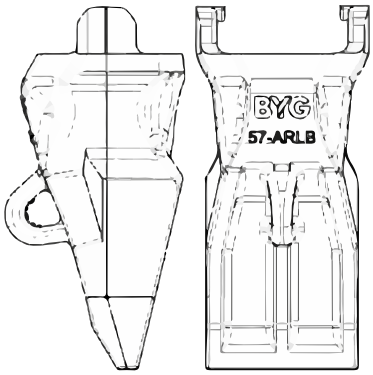
BYG offers you a great variety of systems because each machine and application have different needs.





DIRECT REPLACEMENT FOR:

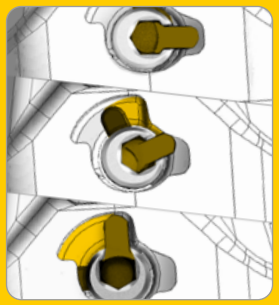
Atlas	Hensley	Mini
Bofors	H&L	Orca
Case-Poclain	JCB	O&K
Caterpillar	John Deere	Pengo
Esco	Komatsu	Uni-Z
Fai	Liebherr	
Fiat	Lehnhoff	



LOCKING SYSTEM



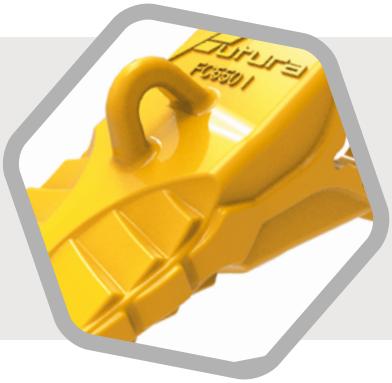




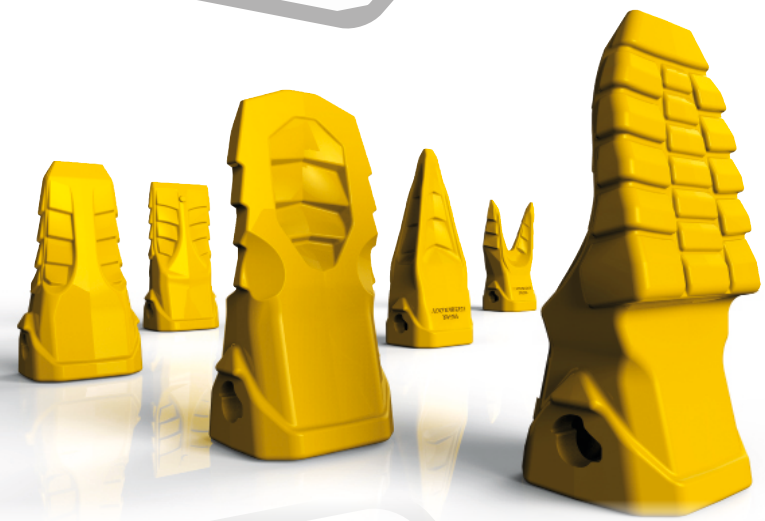


Futura
WEAR TECHNOLOGY

PREMIUM TECHNOLOGY

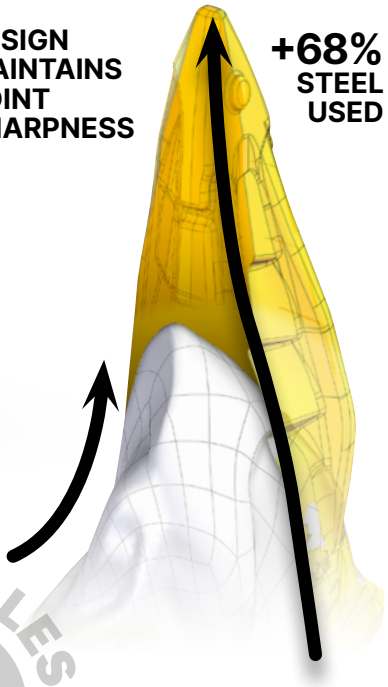


The main features of the FUTURA premium range are its **hammerless solutions** that increase safety and reduce downtime on your machinery.



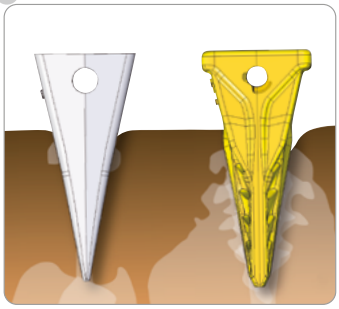
DESIGN MAINTAINS POINT SHARPNESS

+68% STEEL USED



- Increased Safety
- Performance
- Shortest Downtime
- Hammerless Solutions
- Self Sharpening Design

HAMMERLESS SYSTEM



TWISTER



TWISTER HAMMERLESS



TWISTER DUO



T2

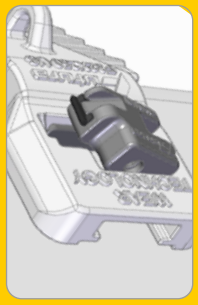


X2



DRP











BYG
FASTENERS 12.9

BYG is a **specialist in fasteners for heavy machinery**. The BYG fasteners product range includes bolts from diameter 1/4 ” to 1-1/2” and up to 13” in length.



HIGHER HEAD

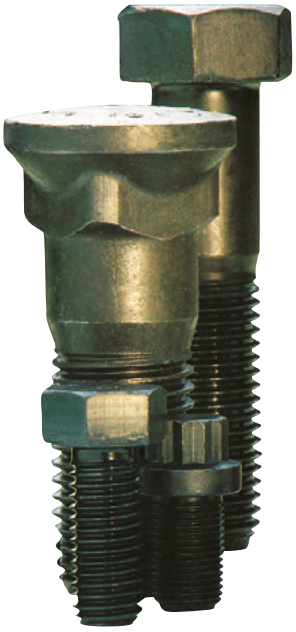
BYG bolt’s heads are 20% higher than American Standard B18.2.1. The bolts provide increased fatigue life and maximum holding force for the nut.

SAE GRADE MARKS

The radial marks indicate the grade of SAE strength for better identification. Six marks on the head guarantee the quality grade 12.9/35-38 Rockwell .

FORGED HEAD

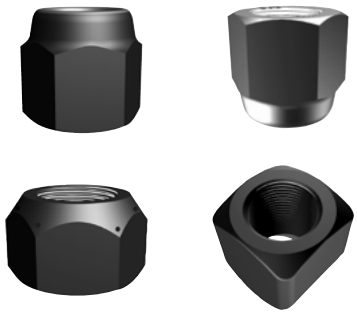
Provides a correct flow of the steel fiber, reducing the fatigue points, ensuring major resistance to bumps and an even distribution of the weight. The edges do not round off and the bolts can be reused.



SPECIAL FASTENERS FOR HEAVY EQUIPMENT

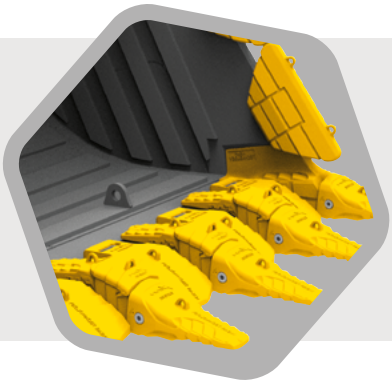








BUCKET PROTECTIONS



BYG offers you a **wide range of solutions** for the protection of **excavator, loader or bulldozer buckets.** Under the brand **FUTURA WEAR TECHNOLOGY** you can find wear material, blades and the new premium buckets.

HEEL SHROUD



WING SHROUDS



LOWER WING SHROUDS



WEAR RUNNERS



HEEL SHROUD



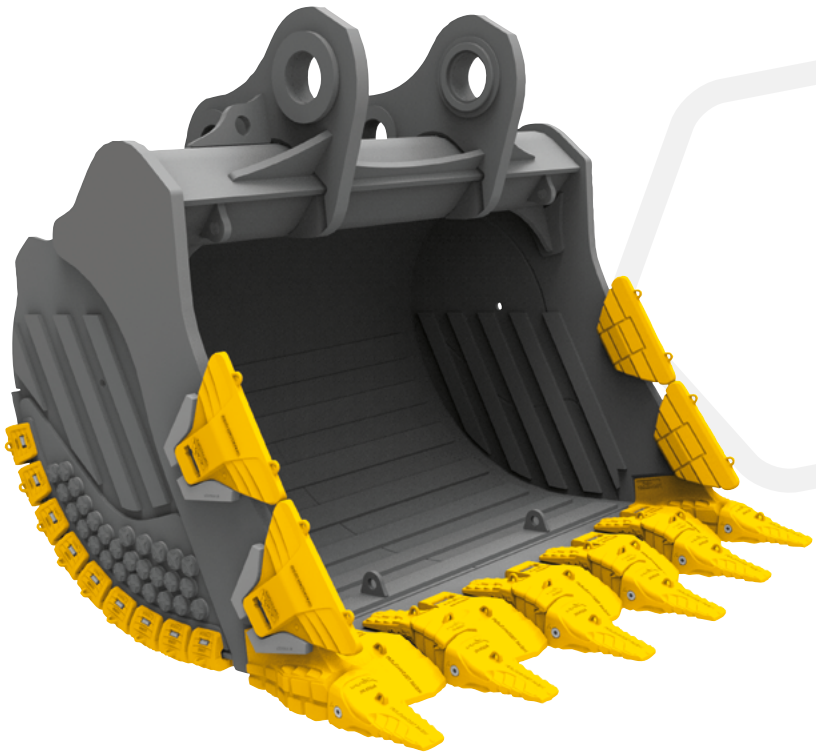
LIP SHROUD



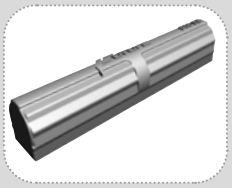
MACHINES GUIDE



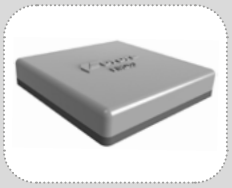
20Tn 30Tn 60Tn 180Tn 300Tn 500Tn 800Tn



CHROME WHITE IRON 700HB



ROLL BAR



SKID BLOCK



CHOCKY BAR



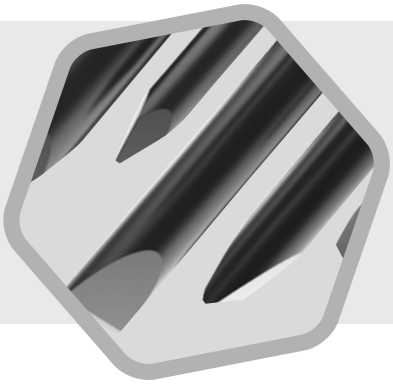
WEAR BUTTON



ADAPTER STRAP PROTECTORS

BYG
STANDARD BREAKER TOOLS

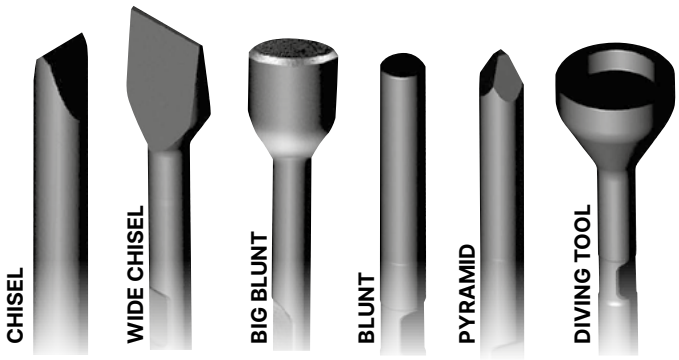
The range of BYG tools not only includes the **standard types, always available in stock**, such as the pyramid and chisel point, but also **special pointers** such as the conical, blunt (short-asphalt), large blunt, wide chisel or diving tool depending on the application.



PERMANENT STOCK:

CHISEL: For work in ditches and benches

PYRAMID: For breakage of hard materials such as reinforced concrete or similar





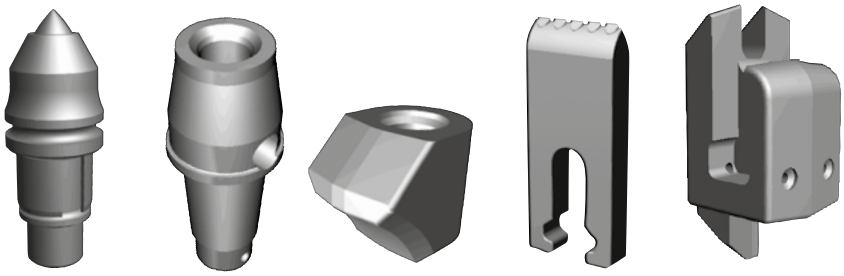
A SINGLE HARDNESS FOR LESS DEMANDING WORK

HARDNESS HRC 47

CARBIDE TOOLS

Carbide tools are specific cutting tools for the **foundation and piloting machines** (for solid walls, mines and tunnels), **milling machines** (used in road construction, concrete cutting, recycling and demolition works) and **trenchers** (in the construction of water channels and pipes).



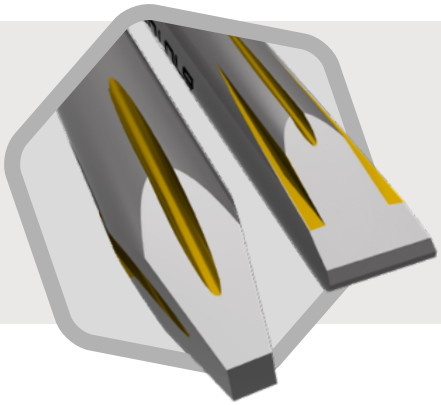


APLICATIONS:

- Milling Machines
- Trenchers
- Graders
- Foundations and piling
- Crushers
- Mining

Futura WEAR TECHNOLOGY

PREMIUM BREAKER TOOLS



Futura hydraulic breakers tools are manufactured using the **best steel alloys**, machining processes and **heat treatments** to achieve the **highest impact resistance**, hardness and toughness required for demolition, blasting, quarrying and mining works.

DOUBLE HARDNESS

SPECIAL WORK

HEAT TREATMENT

REDUCES PRESSURE ON IMPACT

HARDNESS HRC 47-50

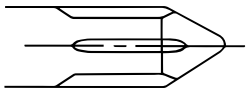


HARDNESS HRC 55-58

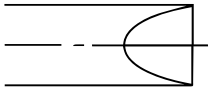
IMPROVES DUST REMOVAL, REDUCING EFFORT AND HEAT.

MODELS

CHISEL XFP



PYRAMID XFE





SELF-SHARPENING

DEMOLITION TOOLS

JOBS hammers feature **ABT system and H2R automatic greasing** for **maximum efficiency and longevity**. Ideal for demolition, excavation, and construction.



FOR EQUIPMENT:





COST-EFFECTIVE AND EFFICIENT

They offer excellent value for money, providing great power and durability without high cost.

HIGH QUALITY AND PERFORMANCE

Manufactured with resistant materials, they guarantee optimum performance in demolition, excavation and construction work.

ABT SYSTEM AND AUTOMATIC GREASING

Equipped with the ABT system (Anti-Bump or Vacuum Shock Absorber) and H2R automatic greasing. Reduces wear, boosts efficiency, and extends lifespan.

INCLUDES ACCESSORIES

Each hammer includes 2 breakers tools, a charging kit, a toolbox and a base plate.

Ton 3 a 25



Ton 0.8 a 35



RADIAL TYRES OTR



Designed for **extreme conditions**, they offer maximum performance in **mining, construction and industrial applications**. Commitment to quality, customer satisfaction and assembly service available.

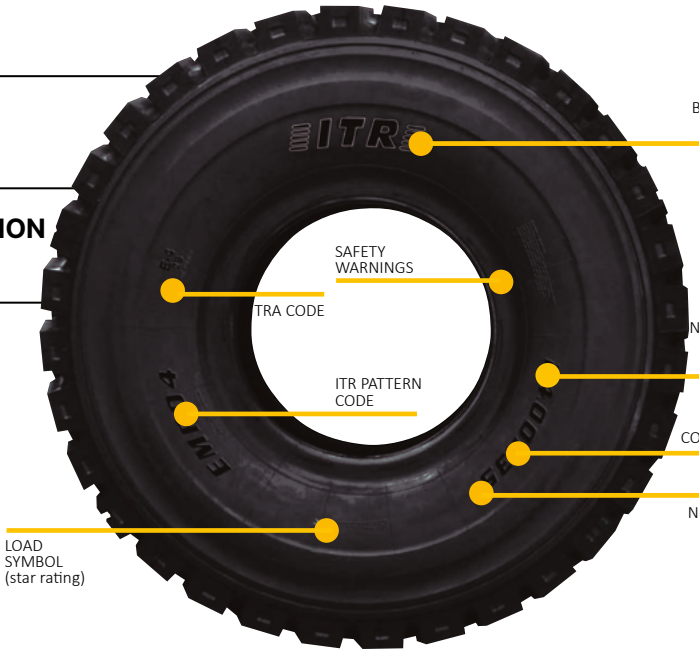
EXTRA DEEP TREAD

ABRASION RESISTANCE

CUT AND PERFORATION RESISTANCE

LATERAL REINFORCEMENT

TYRE MARKING



EMR04



EMR06



EMR77



EMR28



SKS HD



TYRES FOR:



DUMPER



GRADER



LOADER



MINI



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