

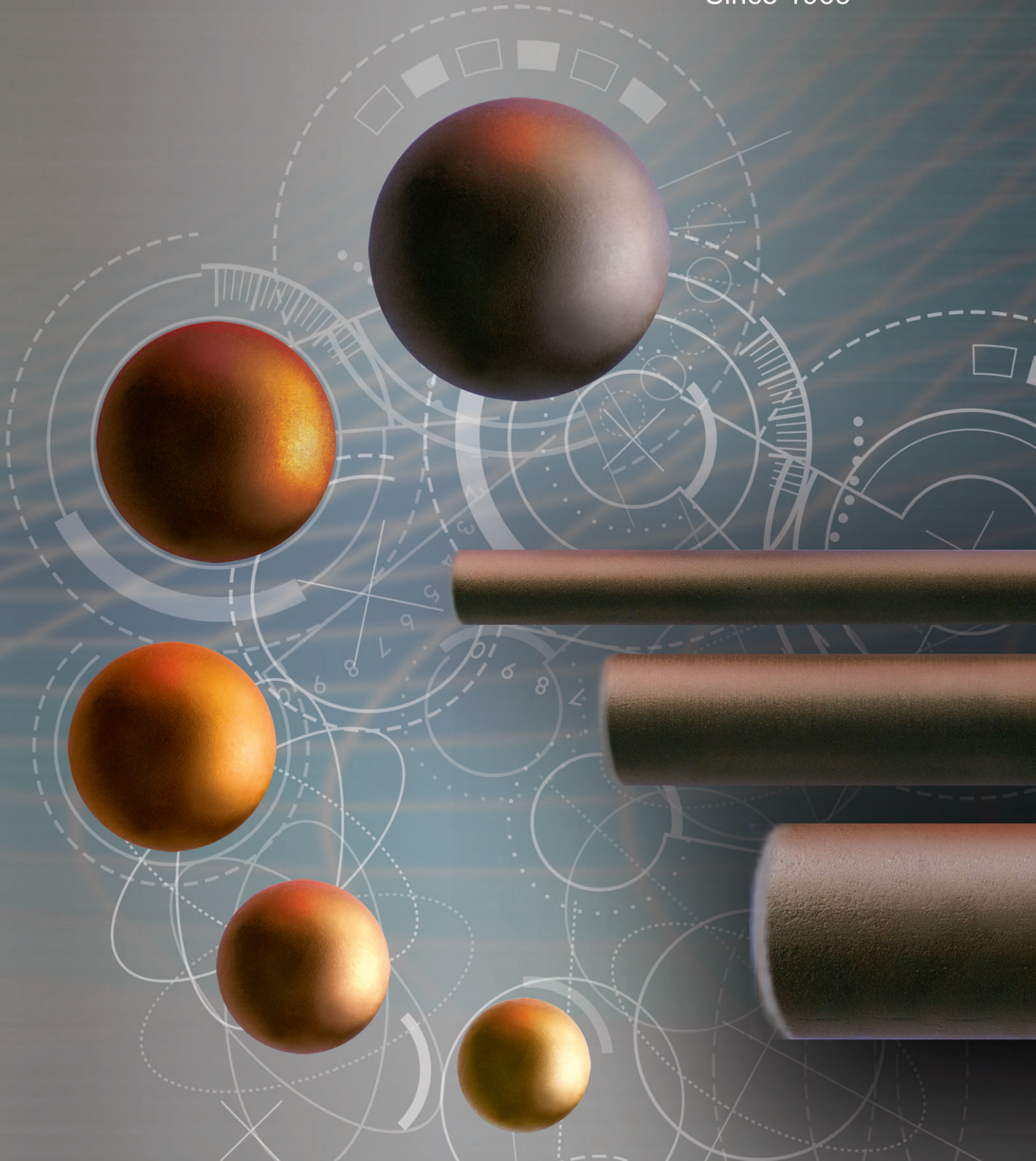


FORJAS SANTA BARBARA

**F S B**

Grinding Media Producer

Since 1965



# OUR PRODUCTS

## SPECIALISTS IN GRINDING BALLS FOR SAG MILLS



Ø		Hardness	
(mm)	(")	Brinell (HB)	Rockwell (HRC)
125	5	550-600	55-60
115	4 ½	550-600	55-60
100	4	575-650	58-63
90	3 ½	575-650	58-63
80	3	600-700	60-65
70	2 ¾	600-700	60-65
60	2 ½	600-700	60-65
50	2	600-700	60-65
40	1 ½	600-700	60-65
32	1 ¼	600-700	60-65
25	1	600-700	60-65

\* The table shows only the most usual sizes.



The flexibility of our production process enables us to make any diameter of ball you need.

HIGH DEGREE OF GRINDING EFFICIENCY

SPECIALISTS IN PRODUCTION AND DISTRIBUTION OF GRINDING MEDIA

## HIGH PERFORMANCE GRINDING RODS



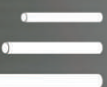
Steel Quality	Hardness Brinell (HB)
100Cr6	300-350



Our rods are made with **high chrome steel**. Their greater **abrasion and corrosion resistance** extends their useful **lifetime** during the grinding process.



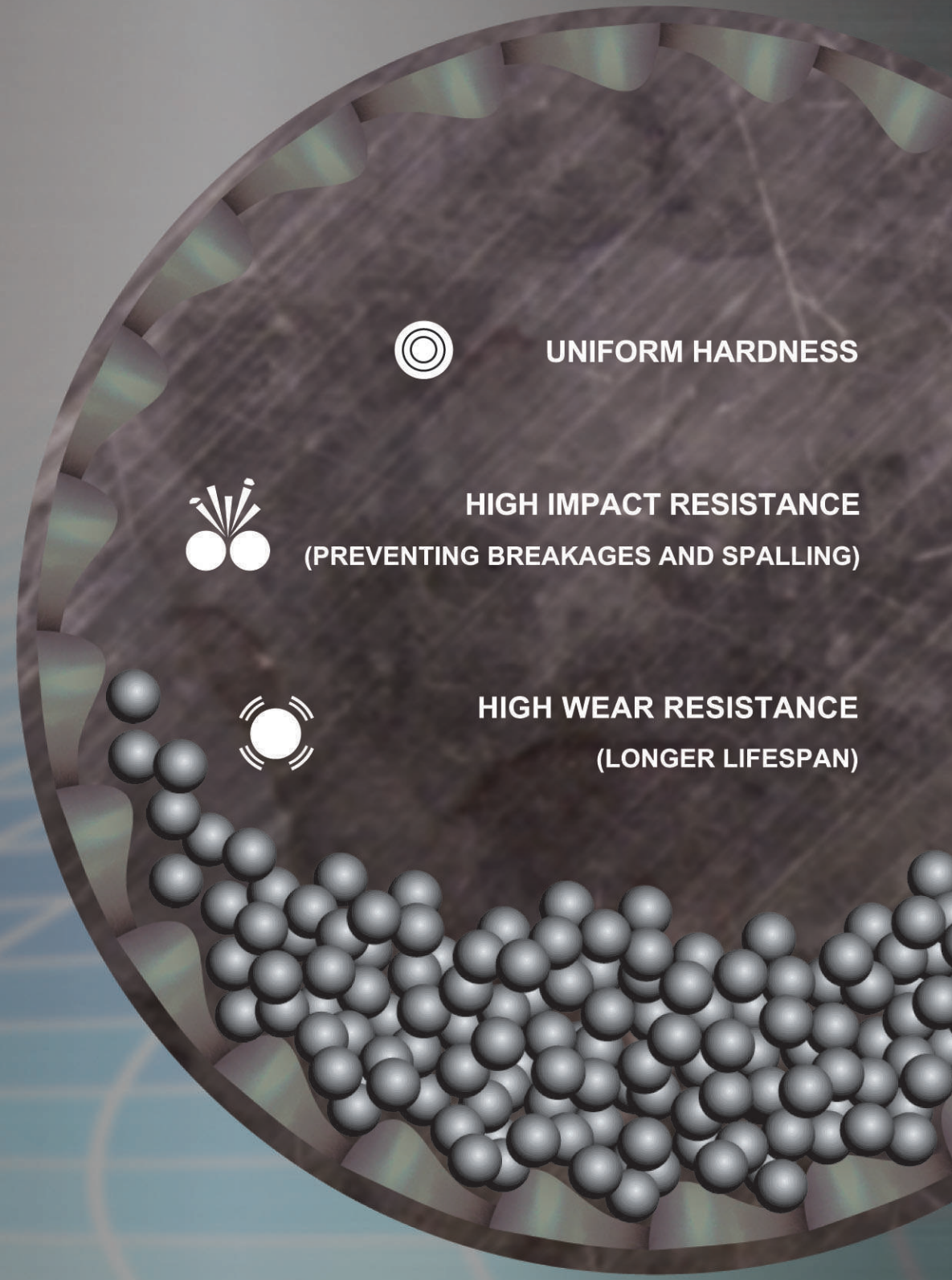
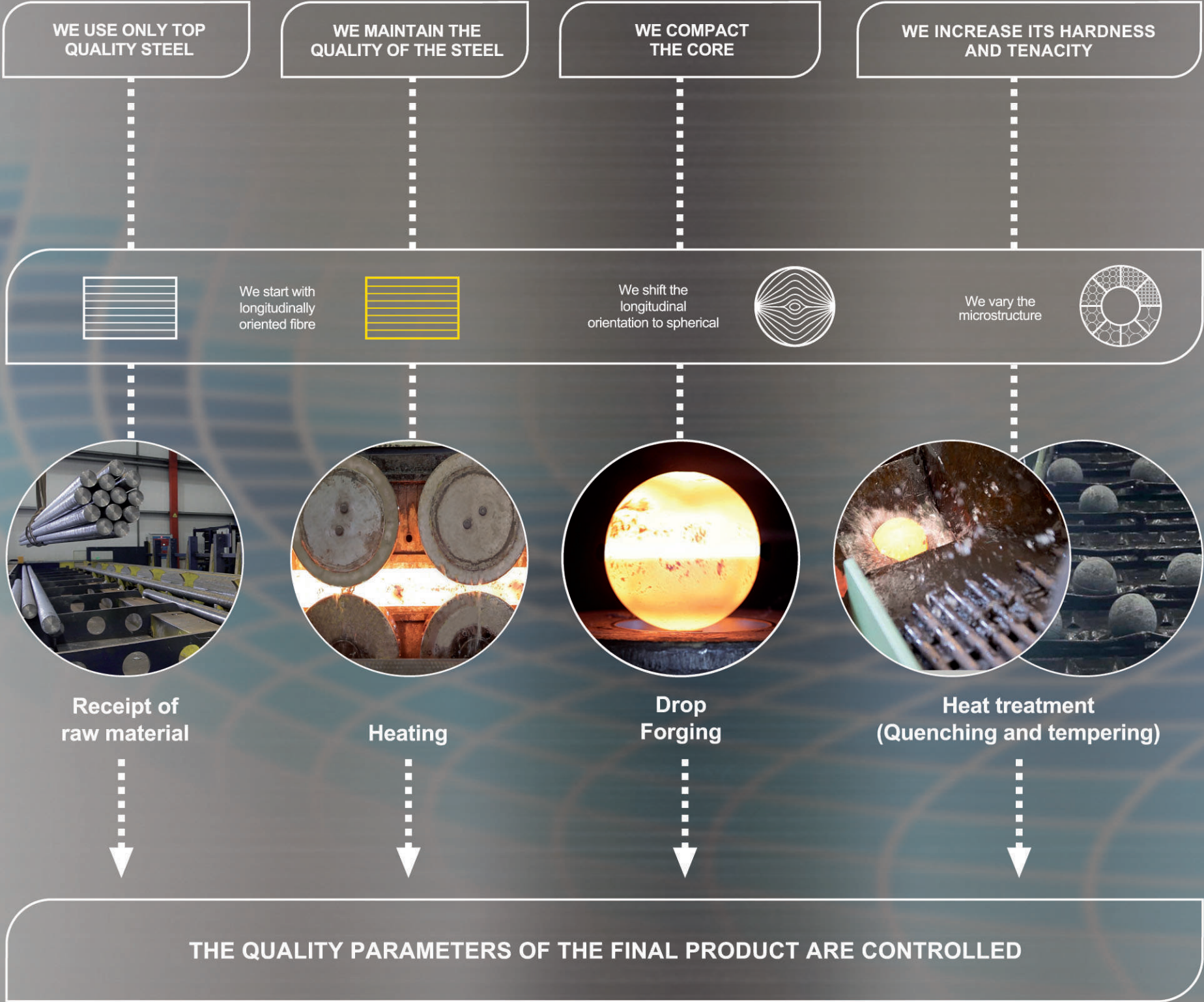
All grinding rods are subjected to an exhaustive **straightening** process to assure **even, uniform, uninterrupted grinding**.



**We meet your needs** and we supply products in the various diameters, lengths and quantities that you need.

ATTENTION IS GIVEN TO QUALITY THROUGHOUT THE WHOLE PROCESS

# DROP-FORGING AS OUR DISTINGUISHING FEATURE



# WHY FORJAS SANTA BARBARA?

## A DIFFERENT PRODUCT



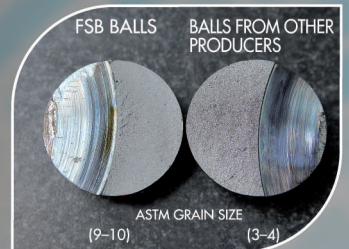
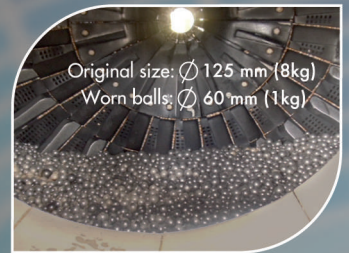
In Forjas Santa Barbara we make grinding media with **top quality steel**.



Their uniform volumetric and superficial hardness gives them **great wear resistance**, requiring **smaller loads of grinding media** and thus making for **lower power costs** in the grinding process.



They are notable for their **high impact resistance**, preventing breakages and spalling and ensuring **stable grinding**.



## OUR CUSTOMERS ARE THE CENTRE OF OUR BUSINESS



Our priority objective is to **meet the needs** of all our customers by putting all our knowledge into the manufacture of a top quality product that **optimises the grinding process**.

We are proud that 90% of our clients have been using our products for over 10 years.



## CONTINUOUS QUALITY CONTROL



At Forjas Santa Barbara we aim for a **maximum quality product**. Experience accumulated over more than 50 years' activity, together with **research, development and innovation**, are strengthened by strict controls, backed up since 1998 by ISO 9001 certification.

ISO 9001

**BUREAU VERITAS**  
Certification



# FLEXIBILITY IN SUPPLIES



Our **packaging** options are **flexible** to match the needs of each client. We can dispatch product in bulk, in drums or in big bags.



Thanks to our **experience after over 20 years of exporting**, we can send our products anywhere in the world. Once the INCOTERM is confirmed, we at Forjas Santa Barbara, take care of the rest.



FORJAS SANTA BARBARA  
**FSB**  
Grinding Media Producer

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