

CORTS Compound Steel

Plated and inseparable compound steel made by a metallurgical bond of two entirely different alloys.

25 % hard steel

protects against corrosion, abrasive and impact wear

CORC-g® Standard;

62 +/-2 HRc

CORC-g® Stainless;

54 +/-2 HRc

75 % soft steel

protects the housing and chocks' machine surfaces

CORC-g® Standard;

400-500 N/mm²

CORC-g® Stainless;

350-450 N/mm²

Lower grades [⊖] (C45/1045 - Cast Steel, bronze)



Higher wear rates lead to more frequent liner replacements



Equipment deformation due to high hardness and low elasticity



Hardness mostly lower than 50 HRc



Due to through hardening and straightening by indents high risk of cracks and tears



Decreasing hardness with increasing depth of hardness lead to exponential wear rates no homogene hardening microstructure



Mostly not corrosion protected

vs. Compound Steel [⊕]



62 +/- 2 HRC for highest wear protection



Protecting other mill components for longer lifetime



Improved precision by optimal protection against abrasive and corrosive wear



Maintenance of the gap between chocks and housing supports constant high rolling quality



Less downtimes

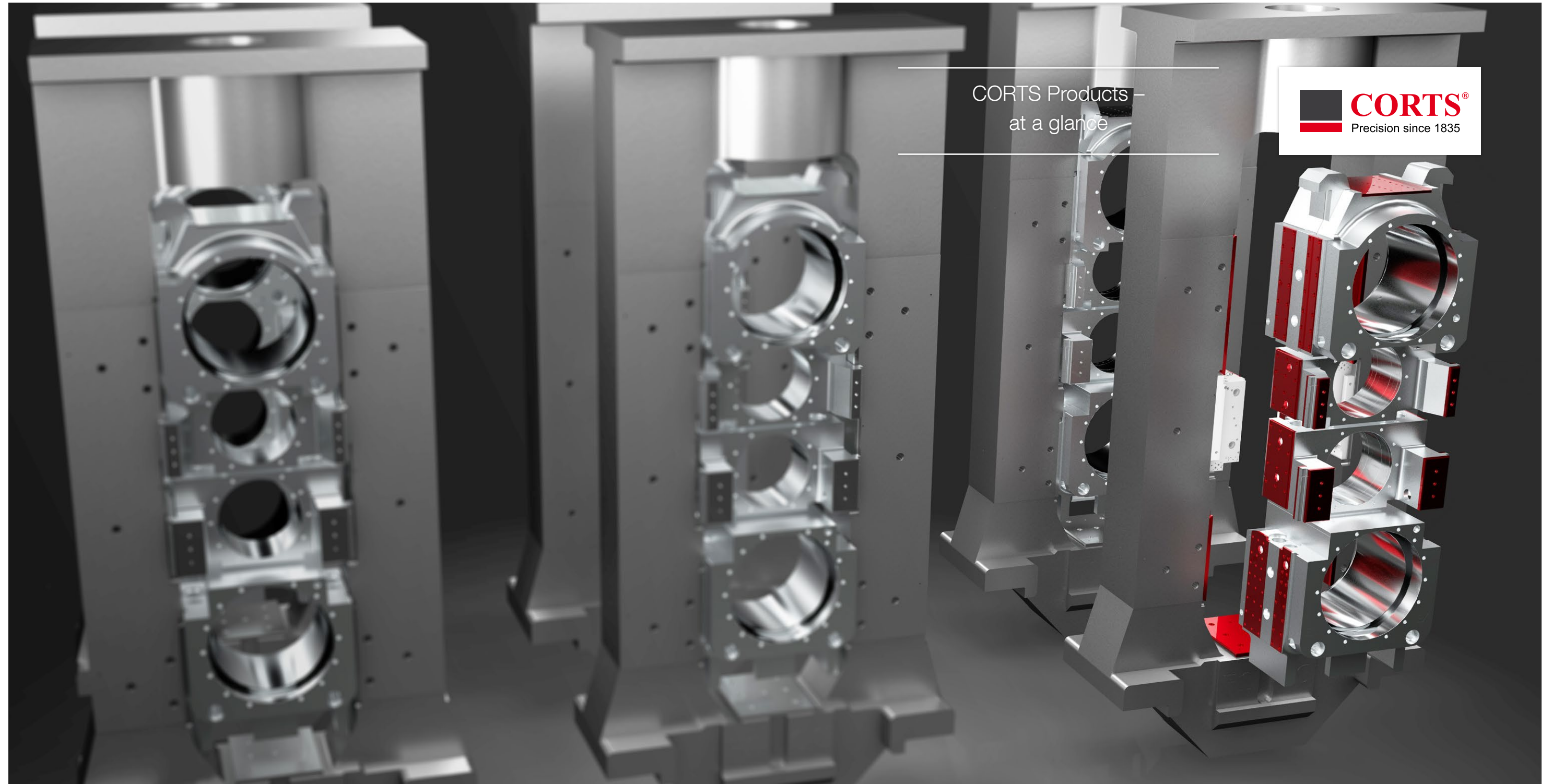


Reduced maintenance cost and total cost of ownership TCO



Less unscheduled work for the maintenance team

The use of **CORTS** compound steel liners guarantees a more efficient and stabilized operation of your mill.



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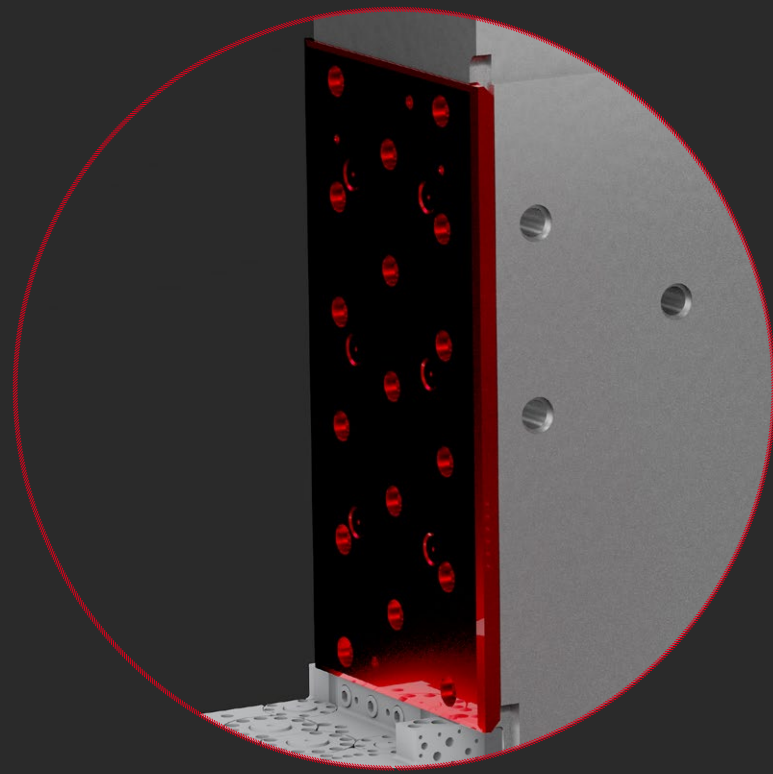
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Minimal Wear.
Maximal Efficiency.

01.

CORC-g® Standard CORC-g® Stainless Housing Liners

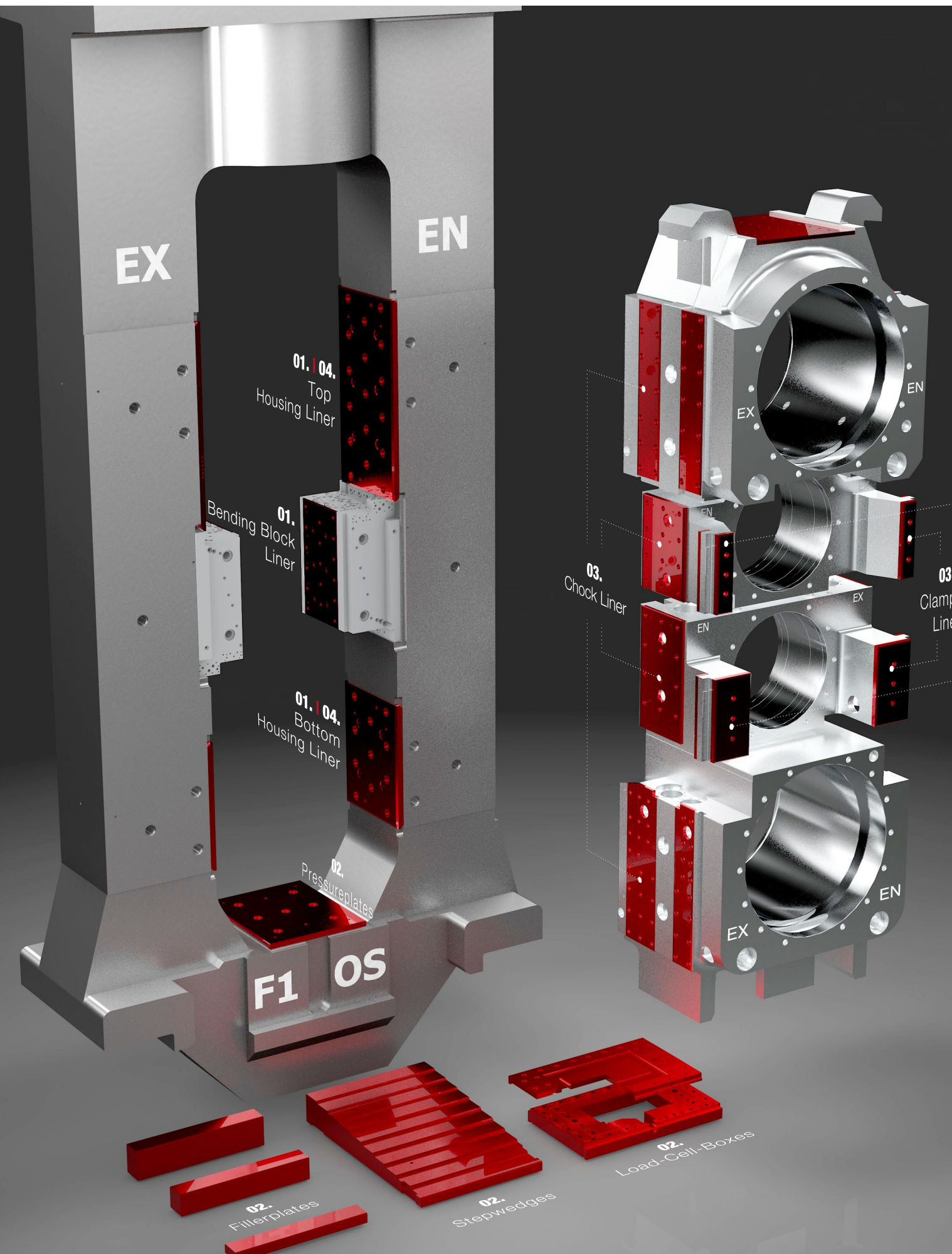
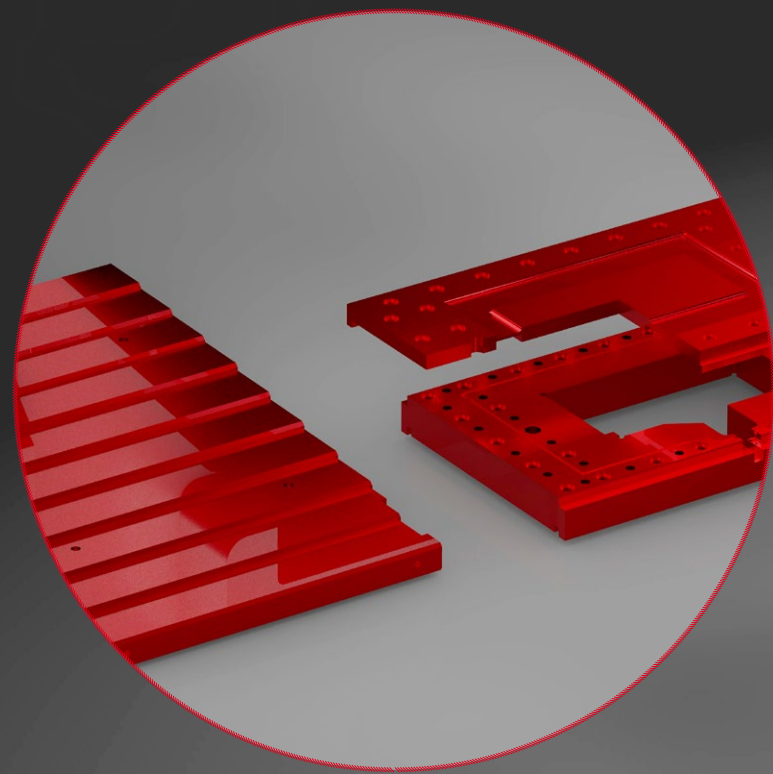
- 25% of the total thickness are manufactured out of high alloyed tool steel
- 75% of the total thickness are made out of low carbon mild steel
- 2 versions available as **CORC-g® Stainless** and **CORC-g® Standard**
- The hardnesses of the wear protecting surface:
62 +/- 2 HRc - **CORC-g® Standard**
54 +/- 2 HRc - **CORC-g® Stainless**
- The hardness of the body of the liner is 350 or 550 N/mm²



02.

CORC-1000 qt® CORC-1000 qt inox® Housing Base Area

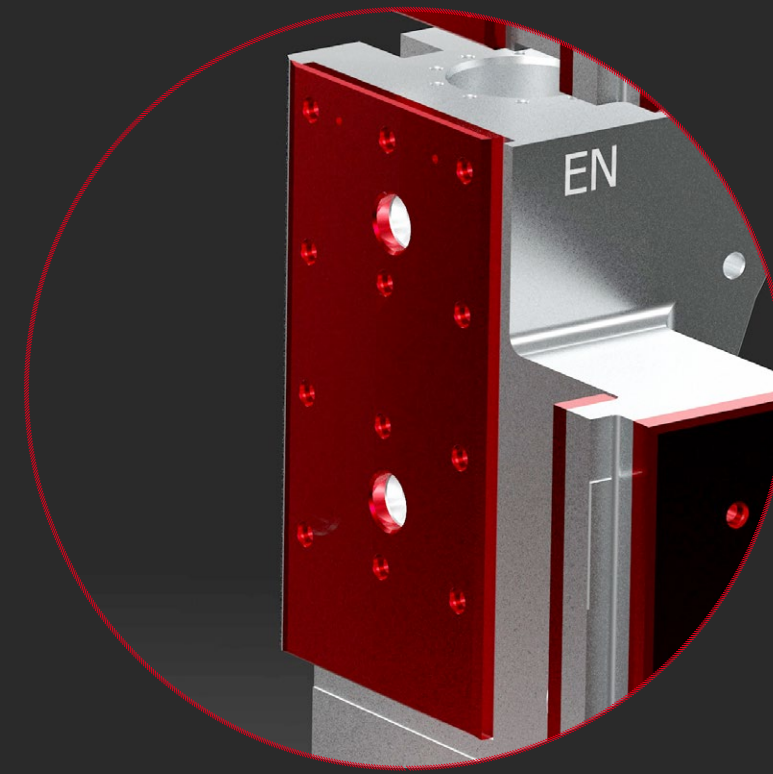
- Developed to resist the extreme rolling forces that are transferred to the bottom area of the mill stand during rolling
- Offered as **CORC-1000 qt®** or **CORC-1000 qt inox®**, a stainless alternative
- Quenched and Tempered
- Optional surface hardening for additional surface wear protection with hardening depth of up to 5 mm with a hardness of 54 +/- 2 HRc



03.

CORC-g® Standard CORC-g® Stainless Chock Liners

- 25% of the total thickness are manufactured out of high alloyed tool steel
- 75% of the total thickness are made out of low carbon mild steel
- 2 versions available as **CORC-g® Stainless** and **CORC-g® Standard**
- The hardnesses of the wear protecting surface:
62 +/- 2 HRc - **CORC-g® Standard**
54 +/- 2 HRc - **CORC-g® Stainless**
- The hardness of the body of the liner is 350 or 550 N/mm²



04.

LUBtec Greasing System

LUBtec is our patented greasing system with improved distribution and surface coverage of grease - lowering the coefficient of friction and stick-slip effect

