



ACB Cylindrical Roller

*Argentina - Bolivia - Brazil - Canada - Chile - China - Colombia - Costa Rica - Dominican Republic - Ecuador
El Salvador - Guatemala - Honduras - Italy - Mexico - Nicaragua - Panama - Peru - Spain - USA*



Material selection: Ability to work with client to select best material for each specific application

Roller profile: In-House calculation and design of different roller profiles including Logarithmic and Full Crown

Engineering coatings: Different surface treatments selected for special applications to increase wear, corrosion resistance

Very short lead times





**Large Stock of Raw Material
for faster turnaround**

Commonly used through
hardening materials:

100Cr6

100CrMn6-4

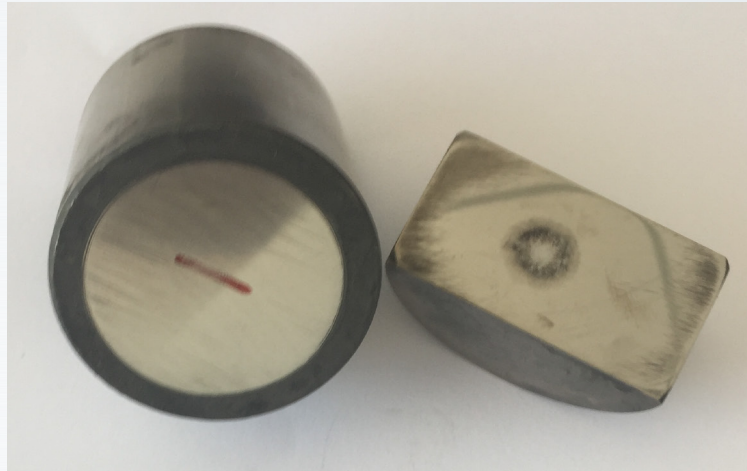
Commonly used case
hardening materials:

20NiCrMo7

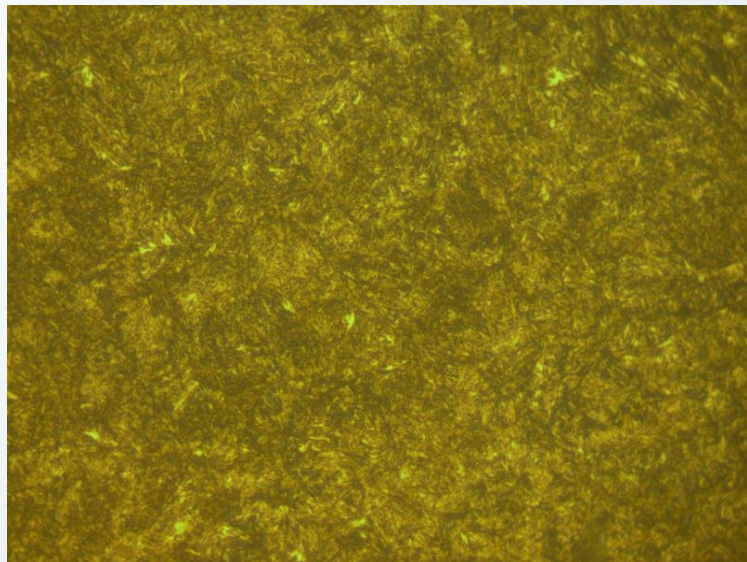
18NiCrMo14-6

*ABS can help with material
selection to address specific
requirements.*

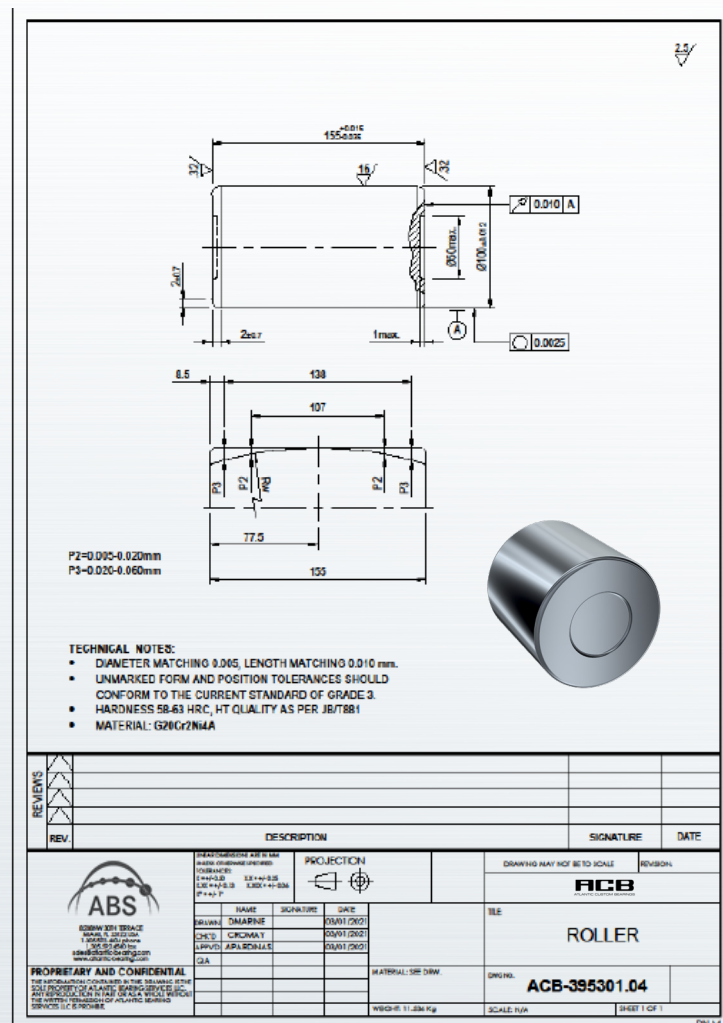
MATERIAL QUALITY CERTIFICATE 质量证明书

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Roller Sample



Metallography Picture



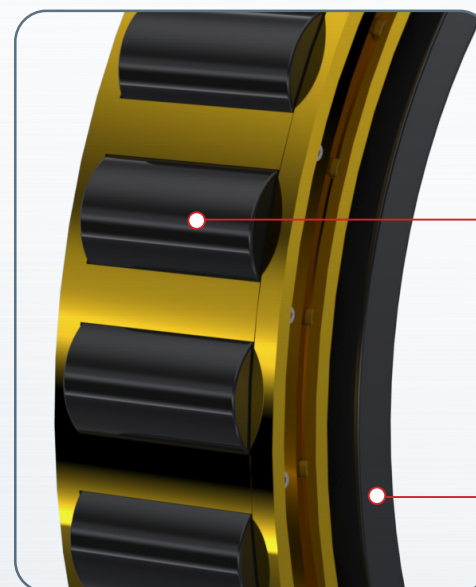
Roller Profile example

Roller Ø: 100 mm

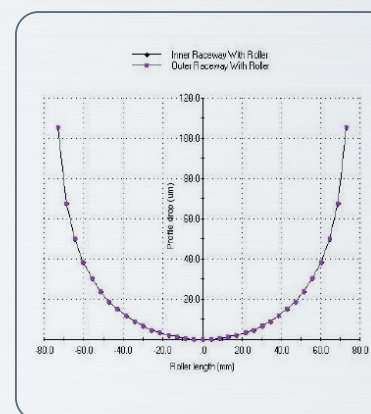
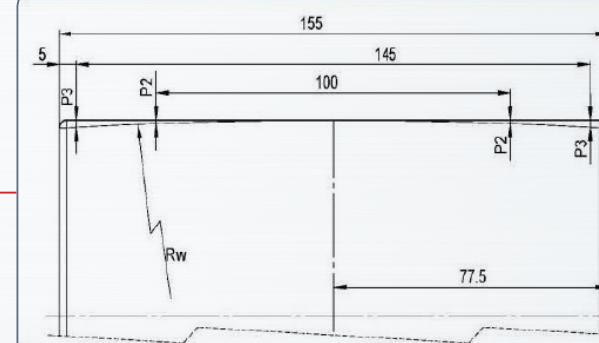
Roller Length: 155 mm

Material: G20Cr2Ni4A

Hardness: 58-63 HRC



Optimized Roller Profile to efficiently distribute loads and avoid stress concentration.



Inner Ring Made of high-quality case-hardened bearing steel.

Tenacious Core material.
Impact Resistance
Avoids Crack Propagation to the surface

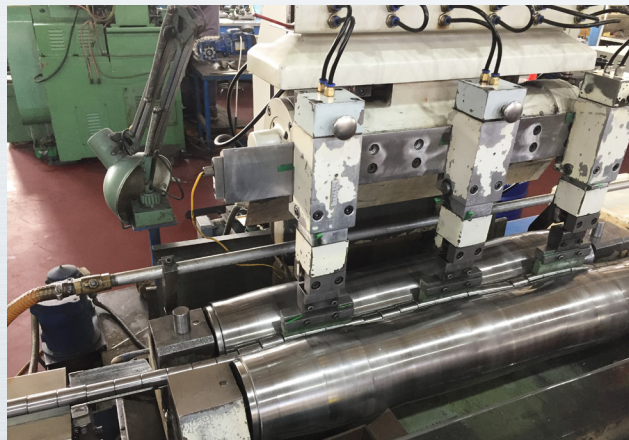
Rings and rollers with Engineering Coating according to DIN 50938-br AF.

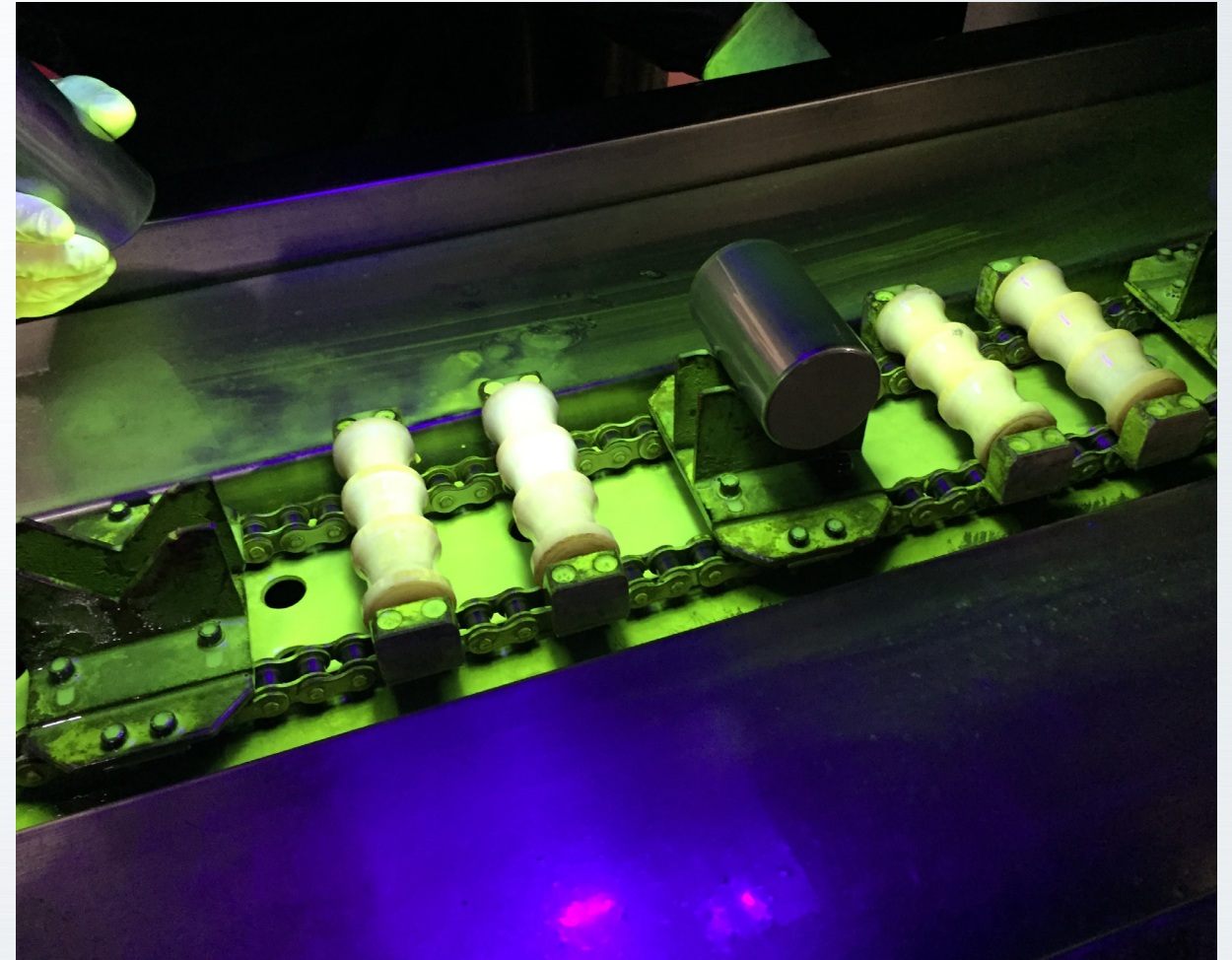






Homologated by SKF







Individually wrapped to avoid roller to roller contact during shipping

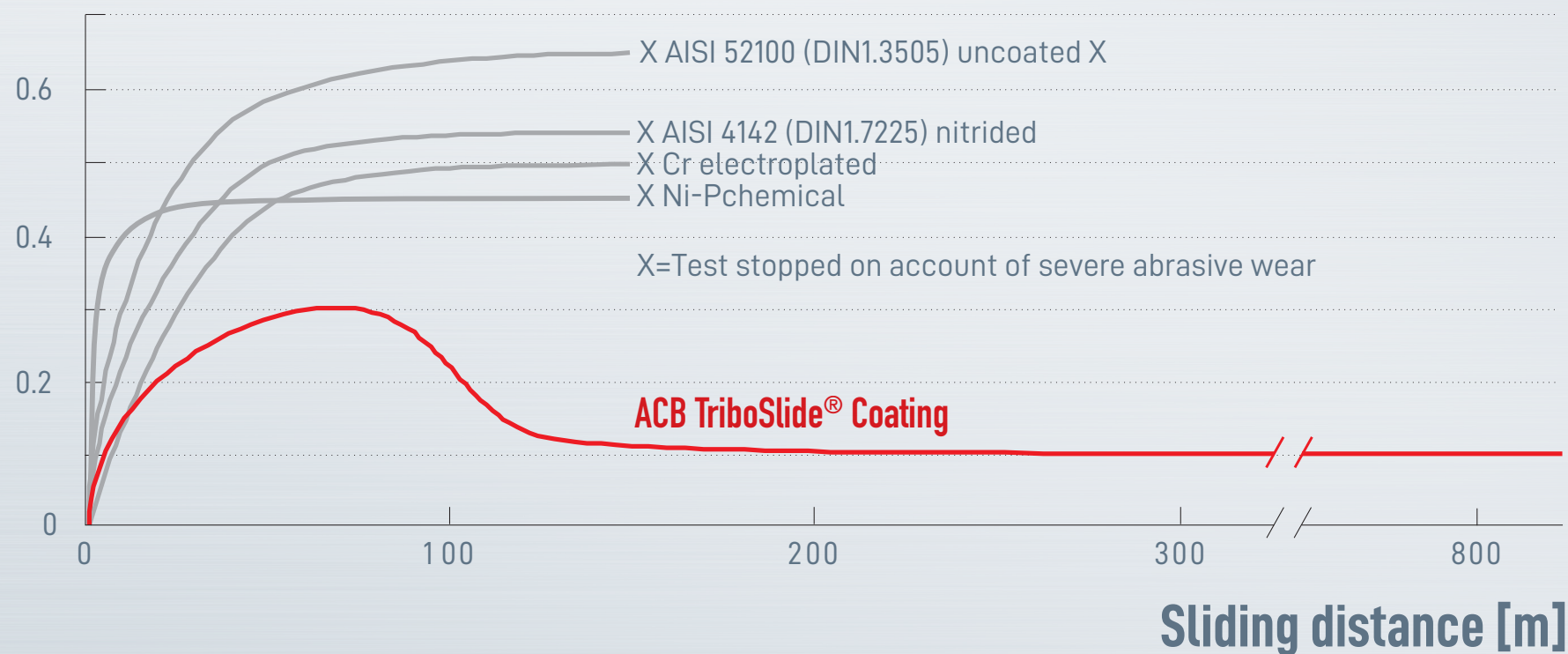


Cylindrical roller before Triboslide treatment



Cylindrical Roller after Triboslide treatment

Coefficient of friction



Rolling element after test rig run



Uncoated

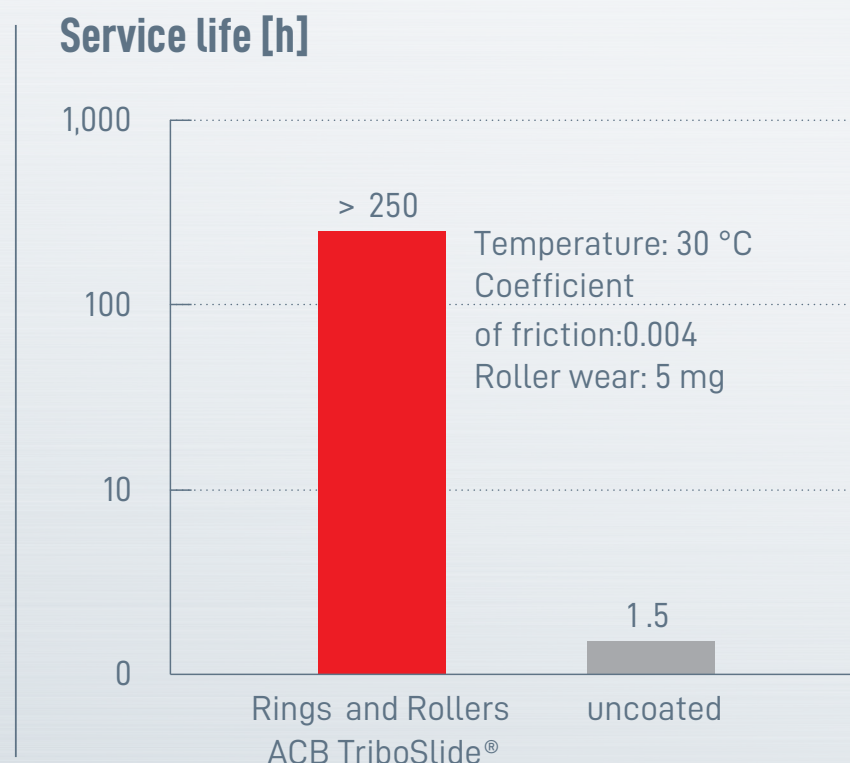


ACB
TriboSlide®
Coated

ACB Triboslide® coating increases pitting resistance of roller bearings

Coating of bearing rollers with **ACB Triboslide®** coating improves pitting resistance. Bearings thereby exhibit longer service life and better reliability.

Excellent running-in behavior, low friction, and anti-galling properties due to formation of an effective barrier between metal/metal contacts; effectively suppress metal structural damages such as white etch cracks and, ultimately, fatigue failure.



ACB Triboslide®
is an ABS proprietary
engineering coating
product brand

