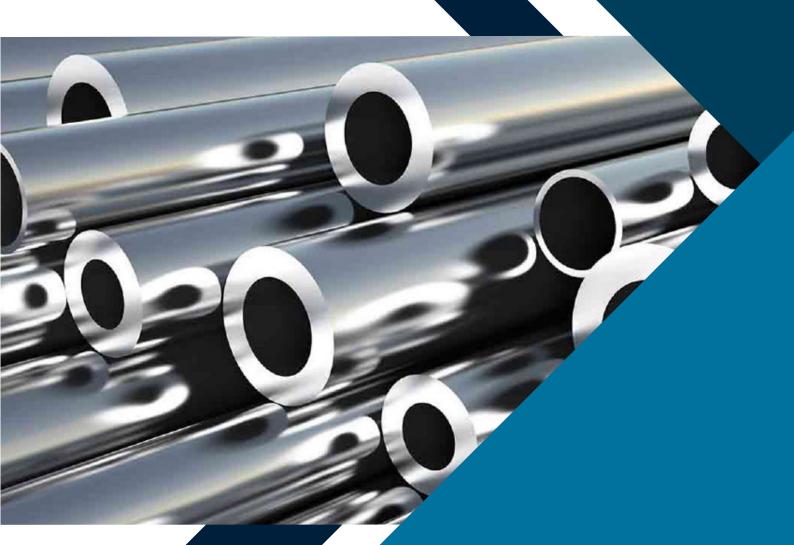


ALPEN'TECH

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Industrial Business App
AT-OMC

Alpen'Tech Optimal Material Choice

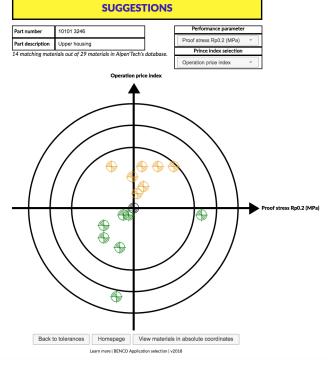




Presentation of AT-OMC

- AT-OMC is a web app based on knowledges created for Alpen'Tech's commercials and customers.
- AT-OMC allows to choose an optimized material answering to mechanical and financial criterions.
- The Industrial Business App AT-OMC is composed of a material data basis. The customer chooses a M0 material, which has some mechanical performances and a price per ton index. Then, he specifies tolerance intervals on each of those parameters. The IBA then gives him other materials that answer to his request in a graphic target.

ALPEN'TECH'S MATERIAL



Alpen Module AT-OMC t/pen TEC (v1.6 of May 30th 2018) **MATERIAL MO CHARACTERISTICS Part description** Part number 🕖 101 Part description (1) Upper housing Part design 1 Upload 🕹 3D view of the part **Initial material M0 description** Material family 🕖 Alloved Steel Grade 🕡 11SMn30 Raw material index (m) 770 Tooling price index (I) 🕖 Tensile strength (Rm) 🕖 Proof stress (Rp0.2) 1 440 MPa 169 Hardness (HB) 🚯 HB Elongation (A) 🕖 6.00 Weldability (S) 1 Unweldable Heat treatment (Ts) 🕖 Easily treatable Reset study Set tolerance intervals View material M0 position

Quick and reliable exploration of the different configurations of AT-OMC

Automatic generation of an engineering advice for a material choice.

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 Calculation of the optimal material thanks' to Kadviser™.





