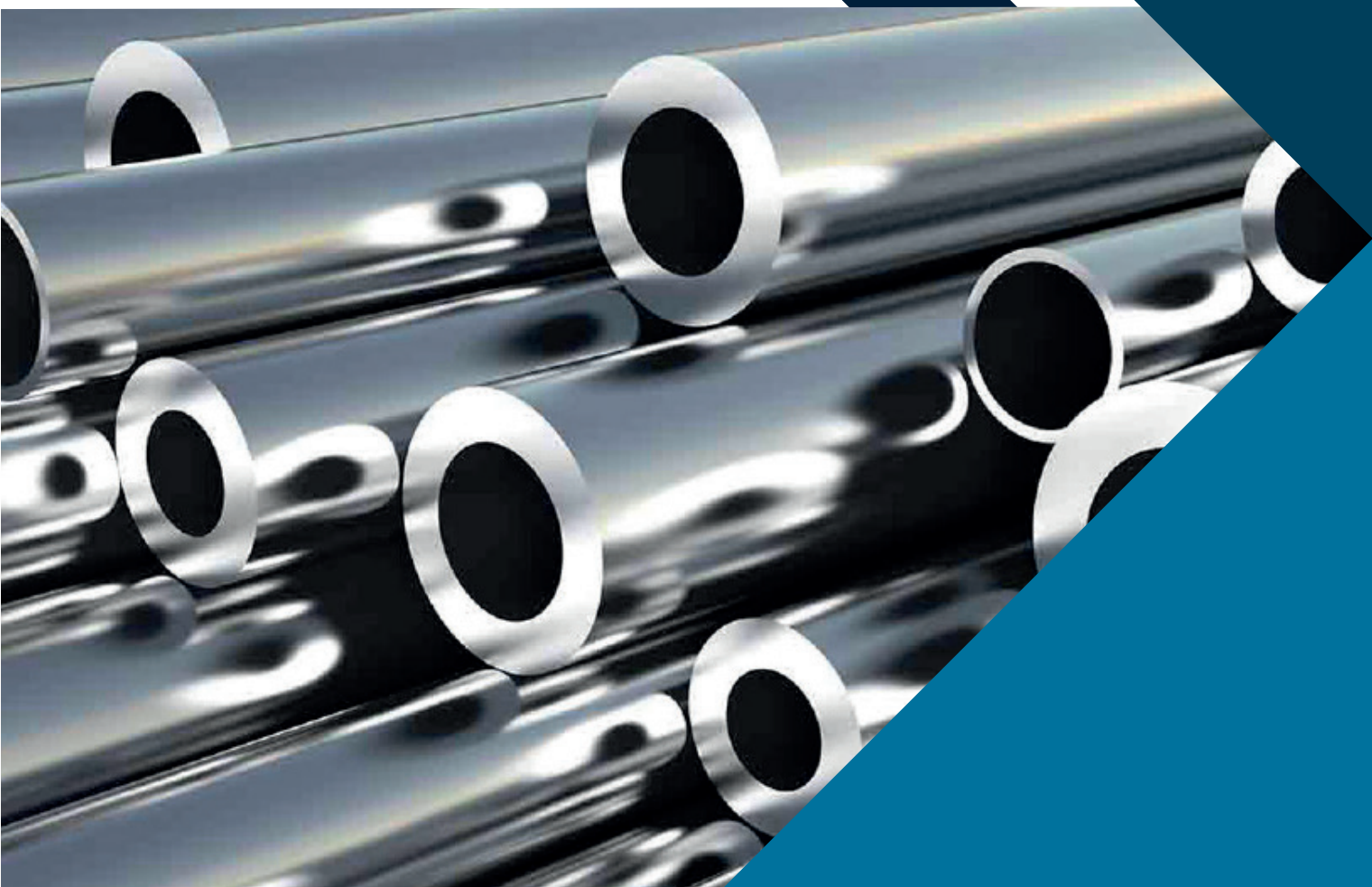




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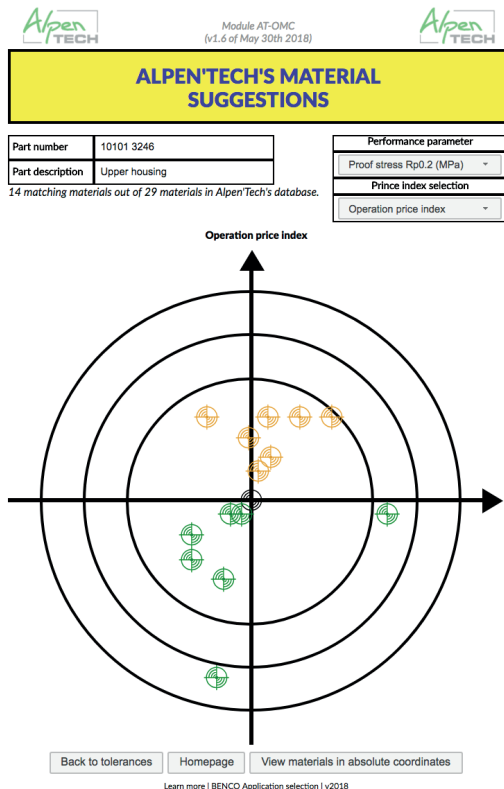


Industrial Business App AT-OMC

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.



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Module AT-OMC
(v1.6 of May 30th 2018)

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MATERIAL M0 CHARACTERISTICS

Part description

Part number	101
Part description	Upper housing
Part design	Upload

3D view of the part

Initial material M0 description

Material grade

Material family	Alloyed Steel
Grade	11SMn30

Material price

Raw material index (m)	770	-
Tooling price index (l)	100	-

Material performances

Tensile strength (Rm)	510	MPa
Proof stress (Rp0.2)	440	MPa
Hardness (HB)	169	HB
Elongation (A)	6.00	%
Weldability (S)	Unweldable	
Heat treatment (Ts)	Easily treatable	

Reset study View material M0 position Set tolerance intervals

Learn more | BENCO Application selection | v2018

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

- Automatic generation of an engineering advice for a material choice.
- Calculation of the optimal material thanks' to Kadviser™.