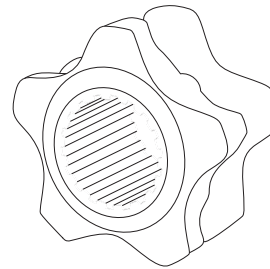


**Application: toothed sprocket for annealing furnace**

**Branches**

- **Manufacture of heat-treatment and other process equipment**



**Relevant product information**

- |  |   |
|--|---|
| <b>Suitable cast-iron grades</b>           | • ACO Eurobar GGG-60, ACO Eurobar GGG-70  |
| <b>Can replace:</b>                        | <ul style="list-style-type: none"> <li>• Sand castings</li> <li>• Steel bars or forgings</li> </ul>   |
| <b>Offers the following advantages...:</b> | <ul style="list-style-type: none"> <li>• Superior machinability thanks to self-lubrication combined with ease of chip-breakage</li> <li>• Better wear resistance</li> <li>• Equivalent tensile strength (SG-iron)</li> <li>• Capability to attain excellent surface finish</li> <li>• Equivalent or improved fatigue resistance</li> <li>• Lower weight</li> <li>• Reduced friction and less adhesive wear</li> <li>• Less noise and vibration</li> <li>• Less rejected parts</li> <li>• Easy to deburr</li> <li>• Favourable vibration-damping characteristics</li> <li>• No shrinkage or porosity</li> <li>• More uniform and finer microstructure than with sand castings</li> </ul> |
| <b>...and cost savings:</b>                | <ul style="list-style-type: none"> <li>• No expenses for patterns</li> <li>• Fewer rejects</li> <li>• Increased tool life in machining thanks to the self-lubricating characteristics and absence of sand particles</li> <li>• Substantially shorter machining times</li> <li>• Self-lubricating characteristics result in longer component life</li> </ul>   |

**Ordering information**

Eurobar product	Microstructure	Hardness, HB	Tensile strength, N/mm <sup>2</sup>
ACO Eurobar GGG-60	SG-iron, pearlitic	200-290	550-600
ACO Eurobar GGG-70	SG-iron, pearlitic	235-310	650-700