

Smart cast solution



Characteristics

- Decrease weight of base part by 33%
- Reduce price for base part by 20%

Benefits

- Decrease time for machining by 50%
- Reduce plastic waste by 35%
- Improve YOUR margin

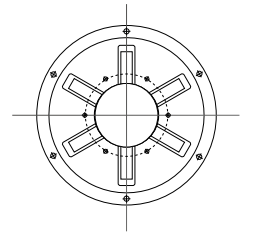
A smart way to get to your final cast part

Explained using the example of a ring made from Ertalon® 6PLA PA

THE SMART WAY

1

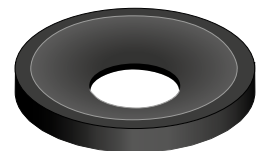
Step 1 – Customer provides the design of the final part



2

Step 2 – The MCG Advanced Materials smart solution: Conversion of the part into a near net shape part

We offer design assistance and provide drawing proposal



Weight: 5,0 kg

3

Step 3 – Machining of near-net shape into final part



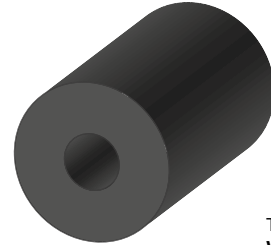
THE STANDARD WAY

1

Step 1 – Select the best suitable shape

Considerations

Depending on the dimension of the shape used for machining, its weight can be much higher than the weight of the final machined product. Material and machining costs will be high then.



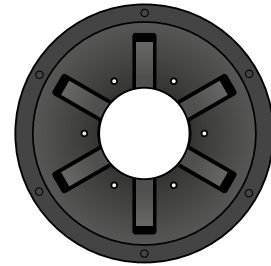
Tube 425x160x48 mm
Weight: 7,5 kg

2

Step 2 – Machining of final part from selected shape

Considerations

Engineers and manufacturers need to consider high machining costs and the environmental impact involved in this process. Massive machining effort involves high amount of waste (plastic chips). This does not only cause loss of material, high material costs and high amount of waste but also environmental stress.



**There is a smart solution.
Contact us!**

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