



## Product specification for inductive components

Form: MF04.05 (F108)  
Revision: 01

<b>Client:</b>	<b>MAGNETEC</b>	<b>Magnetec P/N:</b>	<b>M-173</b>	<b>Magnetec A/N:</b>	<b>12160</b>
<b>Client's P/N:</b>	/	<b>PS Index:</b>	<b>03</b>	<b>PS Revision:</b>	<b>08</b>
<b>Subject:</b>	<b>CT Wandler</b>				

### 1. Mechanical Outline

Nominal equivalent round core:

**19,2 x 15,3 x 5**

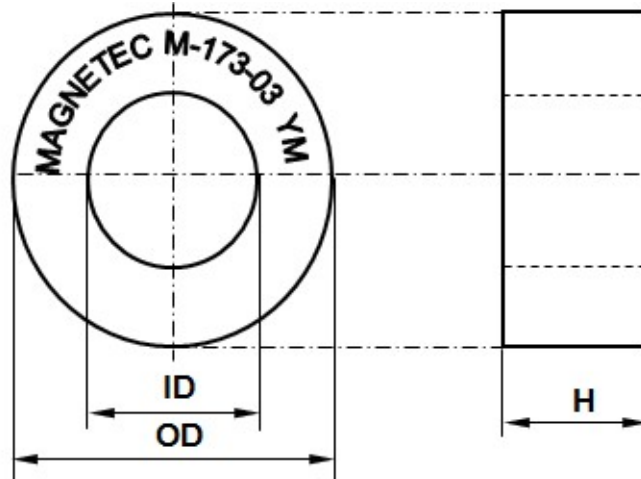
Finished product dimensions:

OD  $\leq$  21,4

ID  $\geq$  13,0

H  $\leq$  7,3

[dimensions] = mm



### 2. Core data (nominal values)

Core material:	<b>NANOPERM®</b>	$L_{Fe} = 5,40 \text{ cm}$	$A_{Fe} = 0,08 \text{ cm}^2$
Permeability level:	<b>&gt; 90.000</b>	@ frequency <b>80 Hz</b>	@ H peak <b>0,4 mA/cm</b>

### 3. Inspection values (at room temperature, unless otherwise stated)

Measured value	Measurement limits	Frequency	leff x N [mA x turn]
<b>AL1 [μH]</b>	<b>11,5 - NA</b>	<b>80 Hz</b>	<b>1,65</b>
<b>AL2 [μH]</b>		<b>80 Hz</b>	<b>30</b>

### 4. Core finishing

Type:	<b>Cased</b>
Marking:	<b>MAGNETEC M-173-03 YM (YM = Year/Month), acc. to IEC 60062 6.1.1</b>
Packaging:	<b>75 pcs. per layer; 9 layers per carton box; PU = 675 pcs.</b>

### 5. Comments

**Inspection ratio: 1/AL1[μH]-1/AL2[μH]  $\leq$  0,0148**

Visit [http://www.magnetec.de/fileadmin/pdf/pb\\_ds.pdf](http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf) for further information.

Index / Revision	Alteration	Date
02 / 01	ID = 15,3 mm; OD = 19,2 mm	02.04.2002
02 / 02	New annealing program	18.06.2002
02 / 03	New format ; PU = 675 pcs.	28.03.2008
02 / 04	H corrected to $\leq$ 7,3 mm	27.02.2012
03 / 05	Inductance measurement	12.08.2013
03 / 06	AL measurement	10.10.2013
03 / 07	Case material change	23.08.2018
03 / 08	OD change, inspection ratio correction	11.02.2021

<b>Created:</b>	Z. Palánki	<b>Approved</b>	F. Zámbořszky	<b>Approved</b>	Sz. Ilcsik	<b>Released:</b>	D. Tóth
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	11.02.2021	<b>(Techn):</b>	11.02.2021	<b>(Quality):</b>	11.02.2021		26.02.2021
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