

Custom solutions (A and E number)

Introduction

When a motor is customized with a special shaft, a custom PCB or a particular lubricant, its designation then contains a unique code to distinguish it from a standard motor. The customization follows a process called "IVA", allowing the options creation on every Faulhaber product.

However, it is not trivial for the customer to know and understand what is behind this special product code. Therefore, the idea of this application note is to present a list of typical special numbers and explain what they mean. I

What is the difference between « Exxx » and « Axxxx »?number?

Up to the beginning of 2012, two types of custom numbers were used: E and A. For example,

AM1524AE030070 **E297** E number AM08202R022525 **A2937** A number

The E numbers were used for prototypes and pre-series custom projects. The number contained 3 digits. The A numbers were used for serial production custom projects. The number contained 4 digits. As soon as a custom project was starting in serial production, it was changing from E to A number..

From 2012 on, the custom products always feature a "Axxxx" number. The new policy, since 2012, is to attribute a code for a special project (for example A1080) and then increment the letter if there are some updates on the product.

Example:

Year 1 : customer wishes a longer shaft on an AM1524 => AM1524SB025055-A1080

Year 2 : customer wishes to add a custom PCB => AM1524SB025055-B1080

Year 3: customer wishes to add a specific laser marking => AM1524SB025055-C1080

Etc.

In which case a product is a custom product?

Table 1 summarizes when a product receives a special code extension and Figure 1 gives some example of custom solutions that are possible for the PRECIstep® technology.



Table 1 : List of special modifications leading to a custom number.

Product Change	Special Code	Comment
Ball bearing instead of Sleeve bearing	no	2R option
Bearing lubricant	no	RC, AE, AC, AT, RV options available (see AN009)
Shaft diameter and length	yes	
Shaft material	yes	
Lead screw assembly	no	If a standard lead screw is chosen from the catalog
Lead screw custom length	no	If a standard lead screw is chosen from the catalog
Lead screw pitch and diameter	yes	
Lead screw with nut or ball bearing	no	If a standard nut or ball bearing is chosen from the catalog
Gearhead assembly	no	
Special gearhead	yes	Special code assigned to the gearhead.
Custom pinion	yes	
Custom parts mounted on motor	yes	
Cable or connector	no	If a standard cable is taken from the cable list (available on re- quest)
Encoder assembly	no	If a standard encoder is chosen from our catalog
Special PCB	yes	
Special windings	yes	
Special front flange	yes	
Special laser marking	yes	
Extra tests and measurements	yes	

You may inquire with special requirements directly to your point of sales or at Sales.Stepper@faulhaber.ch



Popular Modifications

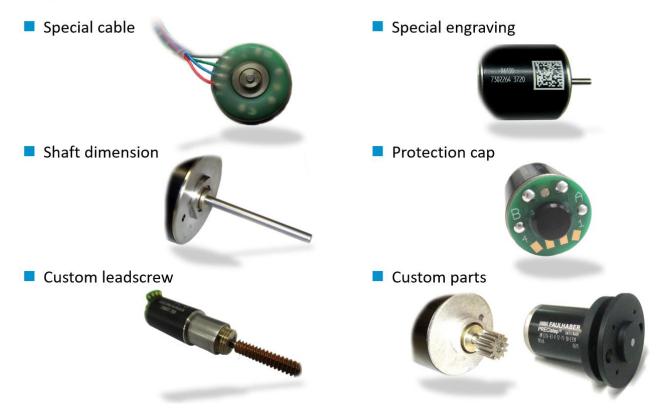


Figure 1 : Examples of custom solutions.



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