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To : All customers

From : BENZI - Sales Team

Fao : Purchase Mngr.

Date : April 15, 2013

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SUBJECT: **NEW Patented Restraining System (safety chains)**

Dear customers ,

Along with the introduction of our new PTO drive shafts range EVOLUTION, we hereby inform you that one of the features included in these products is our new **PATENTED** restraining system (safety chains) :



The new device , developed by the BENZI Engineering team , grants a higher safety for the end users and fully conforms to the Safety European Norm UNI-EN-ISO 5674.

**Product availability & Part No. :**

The new safety chains will be delivered with all EVOLUTION drive shafts.

In addition to that it is also possible to install this new device on our ENERGY(\*) standard range of PTO drive shafts. Please contact our Customer Service for further information.

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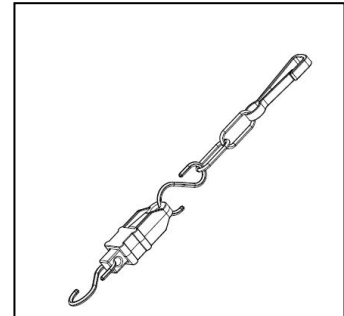
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As regards the spare part kit Part No.:

<b>Part No.:</b>	<b>C50</b>
<b>Description:</b>	<b>Safety chain with pre-set disengagement system</b>



(\*)Please be informed that also the traditional BENZI C40 “traditional” chains available on our standard ENERGY range are conform to EN5674.

For your guidance we attached below an extract from the relative European Safety Norm EN 5674 which specifically refers to the REQUIRED restraining system for all PTO drive shafts:

**ISO 5674:2004(E)**

**6.6 Restraining means test at specified temperature**

**6.6.1 Conventional means of attachment**

Perform the following test procedure on conventional means of attachment (chains, ropes, etc.) connected to each independent guard component or assembly.

- a) Apply a force of 400 N to each fitted restraining member for 60 s, once tangentially and once radially, in a plane perpendicular to the axis of the PTO drive-shaft. The means of holding the guard stationary shall not cause damage or permanent deformation to the guard.
- b) After 60 s, increase the radial load further until the restraining member fails. The restraining member shall fail at its weakest point, which shall be at the guard end only. The weak point shall fail at a force below 800 N.

At the end of the test, the restraining system (the restraining member or attachment means) shall have no change which impairs its function except for the weak point.

For further information regarding availability , pricing , and/or for additional technical information, please do not hesitate to contact our customer service.

p/Benzi & Di Terlizzi srl  
Sales Team

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