

Safety shields

Restraint standards and regulations

UNI EN ISO 5674 standards state that restraints must withstand a load of 400 N, and must detach at the end attached to the shield at loads of under 800 N.

ANSI/ASAE S522.1 standards specify proper functioning at a load of 400 N and separation at the shield end.

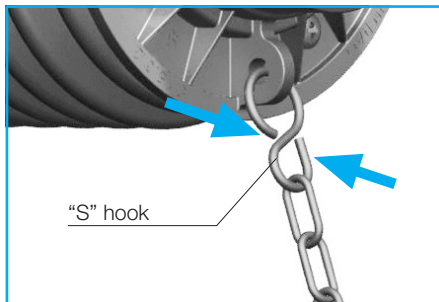
Bondioli & Pavesi driveline chains meet these detachment requirements. Chains are attached to shields by **S-hooks**.

Spring Link

Restraint chains can be supplied on request with the Spring Link device. This device includes a clip which can be opened and closed by screwdriver, and a spring hook which detaches from the shield when subjected to the loads described in the standards.

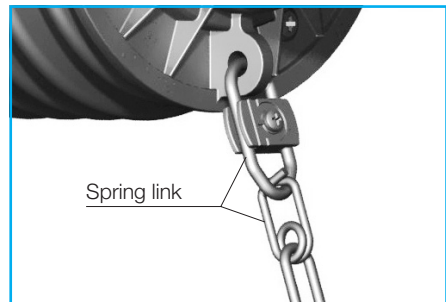
Both **S-hook** and Spring Link connections separate the chain from the shield in compliance with UNI EN ISO 5674 and ANSI/ASAE S522.1.

If the chain detaches, a chain with **S-hook** needs to be replaced, while the Spring Link can be put back as shown below.



If the chain length has not been properly adjusted and is too tight, during turning maneuvers the **S-hook** opens and the chain falls from the shield. If this happens, the chain has to be replaced.

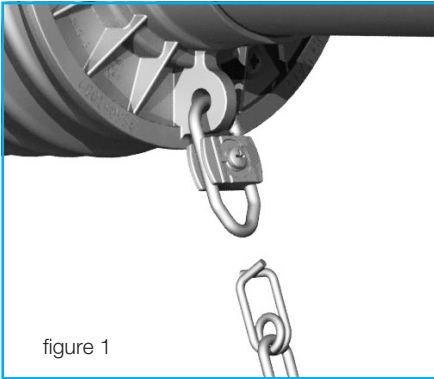
The **S-hook** of the new chain is fastened to an eyelet on the cone and must be closed and round to prevent unintended detachment.



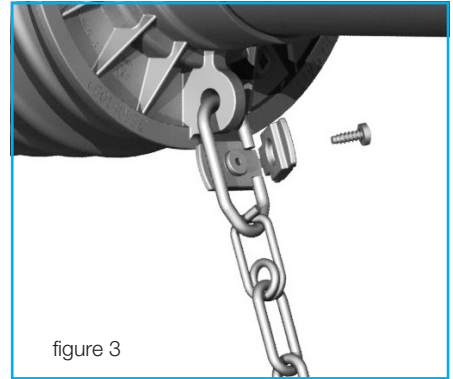
To request the chain with Spring Link, add the letter "Z" to the optional position in the driveline code as shown in chapter "Codes and Dimensions".

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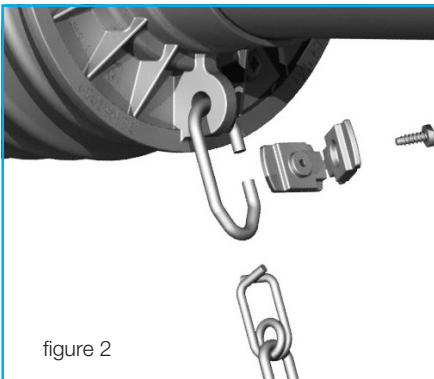
If the Spring Link chain length has not been properly adjusted and is too tight, during turning maneuvers.



The Spring Link will detach and the chain falls from the shield (as shown in figure 1). If this happens, the chain can be re-fitted as follows:



Fit the chain and reposition the clip (figure 3).



Remove the screw and open the clip (figure 2).



Close clip (figure 4) and replace the screw.