

ABSTRACT

Flippers for container spreaders

5 Unlike the positioning flippers commonly used for this application, which are rigid elements,
the flippers object of the present invention consist of a new type of flippers which operate as a
rigid assembly in the usual operation thereof, but which elastically yield against impacts and
overloads, recovering the usual operation afterwards. This flexibility is achieved by means of
two ways, which exclusively affect the flipper itself, not the connection thereof with the
10 spreader or the possible driving system thereof. Mainly: use of elastic materials and use of
geometries which are stable against service loads but are readily deformed against impacts.