

## 1 | General Information and Overview

Product	Risk assessor
<p>Product name: <b>Baby carriers - soft</b></p> <p>Product category: <b>Childcare articles</b></p> <p>Description: <b>This is a PROSAFE risk assessment template for baby carriers. It describes likely injury scenarios linked to non-conformity with the following clauses of standard EN 13209-2:2015:</b>  <b>§8.4.1 Slippage of carer's attachment system</b>  <b>§8.5 Durability of the soft carrier</b>  <b>§10.2 Purchase information</b></p> <p><b>How to use</b>  Users of the template should select the scenario(s) corresponding to the non-conformities identified for the product under assessment. All other scenarios can then be deleted.  The probabilities are estimated in the remaining scenarios.  The scenarios presented in the template are likely scenarios. Users should ensure that the scenarios are suitable, that the steps are correct and that the injury level is appropriate.</p> <p><b>Disclaimer</b>  The template has been developed by a PROSAFE working group composed of market surveillance experts. The intention is to support market surveillance officials assessing the risk with a particular product as part of a market surveillance case. The template is not authorized or endorsed in any way and it is not binding for Member State market surveillance authorities.  The contents of the original template is subject to change without notice.</p>	<p>Organisation:</p> <p>Country: <b>COUNTRIES.NAME_</b></p>

## 2 | Product risks - Overview



- Scenario 1 : **To be determined - A parent carries the baby carrier with a very young child in it. The attachment system in the baby carrier does not comply with the requirements in EN 13209-2, clause 8.4.1. The attachment system slips slowly for more than 20 mm. The parent doesn't notice so the child falls out of the baby carrier and to the ground. The parent cannot react in time. The child injures its head and suffers from prolonged unconsciousness.**
- Scenario 2 : **To be determined - A parent carries the baby carrier with a very young child in it. The carrier does not comply with the durability requirements of EN 13209-2, clause 8.5. The carrier breaks during a walk. The child falls out of the baby carrier and to the ground. The parent cannot react in time. The child injures its head and suffers from prolonged unconsciousness.**
- Scenario 3 : **To be determined - The warning to seek advice from a medical expert before using the baby carrier if the baby has a low birthweight or medical conditions is missing from the baby carrier. The parent doesn't know about the risk and carries the child in the carrier. The angle of the child's neck is too high and the support to the head is insufficient. The child's face is pressed against the skin of the parent. The airflow into the child's lungs is stopped and the child suffocates.**



## Scenario 1 : Very young children - Low mechanical strength

### 1 | Product hazard

Hazard Group: **Potential energy**  
Hazard Type: **Low mechanical strength**

### 2 | Consumer

Consumer type: **Very young children - 0 to 36 months (Very vulnerable consumers)**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **A parent carries the baby carrier with a very young child in it. The attachment system in the baby carrier does not comply with the requirements in EN 13209-2, clause 8.4.1. The attachment system slips slowly for more than 20 mm. The parent doesn't notice so the child falls out of the baby carrier and to the ground. The parent cannot react in time. The child injures its head and suffers from prolonged unconsciousness.**

### 4 | Severity of Injury

Injury: **Concussion**  
Level: **3 Prolonged unconsciousness**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	A parent carries the baby carrier with a very young child in it.	1
2	The attachment system in the baby carrier does not comply with the requirements in EN 13209-2, clause 8.4.1 and the attachment system slowly slips for more than 20 mm.	1
3	The parent doesn't notice in time. (The probability would normally be very low as the slippage occurs slowly and soft carriers are normally worn at the front of the user.)	0
4	The child falls out of the baby carrier and to the ground. (The probability depends upon how quickly the slippage develops, how big it becomes and the geometry of the carrier.)	0
5	The child injures its head and suffers from prolonged unconsciousness.	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined

## Scenario 2 : Very young children - Low mechanical strength

### 1 | Product hazard

Hazard Group: **Potential energy**  
Hazard Type: **Low mechanical strength**

### 2 | Consumer

Consumer type: **Very young children - 0 to 36 months (Very vulnerable consumers)**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **A parent carries the baby carrier with a very young child in it. The carrier does not comply with the durability requirements of EN 13209-2, clause 8.5. The carrier breaks during a walk. The child falls out of the baby carrier and to the ground. The parent cannot react in time. The child injures its head and suffers from prolonged unconsciousness.**

### 4 | Severity of Injury

Injury: **Concussion**  
Level: **3 Prolonged unconsciousness**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	A parent carries the baby carrier with a very young child in it.	1
2	The carrier does not comply with the durability requirements of EN 13209-2, clause 8.5.	1
3	The carrier breaks during a walk. (The probability depends upon the measured breaking force compared to the requirements.)	0
4	The child falls out of the baby carrier and to the ground. (The probability depends upon the breakage point and the geometry of the carrier.)	0
5	The parent doesn't notice in time. (The probability would normally be very low as the slippage occurs slowly and soft carriers are normally worn at the front of the user.)	0
6	The child injures its head and suffers from prolonged unconsciousness.	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined

## Scenario 3 : Very young children - Unhealthy posture

### 1 | Product hazard

Hazard Group: **Product operating hazards**

Hazard Type: **Unhealthy posture**

### 2 | Consumer

Consumer type: **Very young children - 0 to 36 months (Very vulnerable consumers)**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **The warning to seek advice from a medical expert before using the baby carrier if the baby has a low birthweight or medical conditions is missing from the baby carrier. The parent doesn't know about the risk and carries the child in the carrier. The angle of the child's neck is too high and the support to the head is insufficient. The child's face is pressed against the skin of the parent. The airflow into the child's lungs is stopped and the child suffocates.**

### 4 | Severity of Injury

Injury: **Concussion**

Level: **2 Very short unconsciousness (minutes)**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	The warning to seek advice from a medical expert before using the baby carrier if the baby has a low birthweight or medical conditions is missing from the baby carrier.	1
2	The parent doesn't know about the risk and carries the child in the carrier.	1
3	The angle of the child's neck is too high and the support to the head is insufficient so the child's face is pressed against the fabric of the carrier and the skin of the parent.	0
4	The airflow into the child's lungs is stopped and the child suffocates. (Other injuries are possible depending upon the geometry of the carrier and the air permeability of the fabric.)	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined