



Specially designed for the needs of premature babies & newborns.

Our MAM Premies & MAM Comfort™: perfected in collaboration with clinical experts

Developed with experts ■ Independently proven ■ Tested with care
That is MAM quality.



Ideal support & safety for premature babies & newborns

Premature babies & newborns have very special needs that common soothers often can't fulfil. That's why **7 years of intensive research and development** have gone into the MAM Preemies as well as the MAM Comfort. The soothers for premature babies and newborns have been perfected in collaboration with experts such as dentists, paediatricians, paediatric nurses, speech therapists, technicians, and designers.

The results are **unique one-piece constructions made of 100 % silicone**, which meet the special requirements of daily hospital use and optimally fulfill all safety requirements. Our MAM Preemies are available in two sizes and are for hospital use only. Our MAM Comfort 1 can be used for newborns as well as for premature babies from a birth weight of 1,400 g. The MAM Comfort 2 was developed for babies from 2 months and can be used at home.



The advantages of using soothers with premature babies

Approximately 10 % of all babies are born prematurely in modern industrial countries.¹ Scientific research has shown that sucking on a soother can support babies' development and well-being.² In addition, the American Academy of Pediatrics (AAP) recommends the use of a soother to reduce the risk of SIDS (Sudden Infant Death Syndrome).

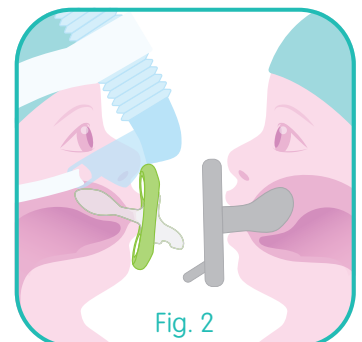
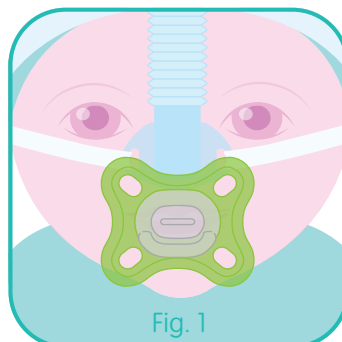
- A soother **satisfies the natural sucking instinct** and can improve oxygen saturation during and after nasogastric feeding.³
- The **transition from gavage feeding** to breastfeeding or bottle feeding can be accelerated.⁴
- During medical interventions, premature babies are soothed more easily⁵ and **pain is also alleviated**.⁶

Conclusion: Sucking on a soother is an **effective and simple way to support** premature babies.



An overview of the advantages of MAM Preemies and MAM Comfort™

- The **one-piece design** of our MAM Comfort guarantees maximum safety and corresponds to the recommendation of the American Academy of Pediatrics (www.aap.org).
- The **small shield design** leaves more space for breathing masks and other medical devices (Fig. 1).
- The **low weight and small size** mean that the lip and tongue muscles are not overworked (Fig. 2).
- The **particularly small teats** are very well accepted by babies and are optimally adapted to the special needs of premature babies and newborns.
- The **symmetrical shape** means that both soother types are always positioned correctly in the mouth, and this also makes it easier for hospital staff to handle them.
- Our **MAM Preemies** can be **custom fitted**, meaning that they can be better adapted to the shape of the face.
- MAM Preemies and MAM Comfort are suitable **for cleaning and germ reduction** in the autoclave (121 °C - 134 °C, for 15 (min.) to 18 (max.) minutes).

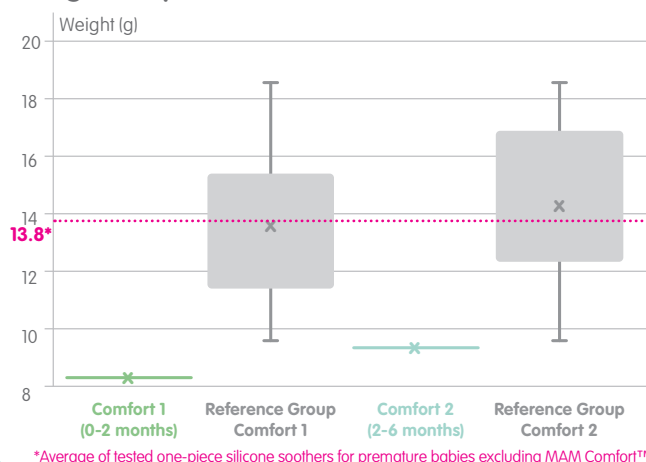


MAM Comfort™: Lighter than any tested one-piece silicone soother

The WILD Hi-Precision Institute (Austria) tested and assessed one-piece silicone soothers from across the world, and the MAM Comfort was by far the lightest soother in its category. **On average, it is more than 36 %* lighter than standard all-silicone soothers. The low weight eases the burden of holding the soother in mouth.**

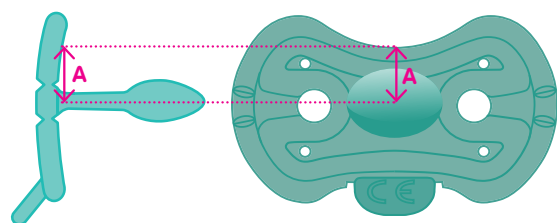
Scientific reports from the WILD Hi-Precision Institute (Austria) confirm that the MAM Comfort is on average 36% lighter than other one-piece silicone soothers tested. Measurement results: 8.2 g - 18.6 g

MAM Comfort™
Weight comparison of tested soothers



MAM Preemies: leave more space for medical devices than any other tested full silicone soother

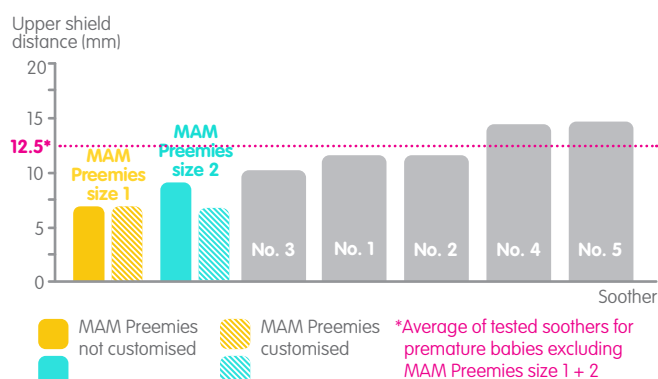
When testing one-piece full silicone soothers for premature babies, the WILD Hi-Precision Institute (Austria) also investigated the distance between the teat and the upper edge of the shield. It found that the upper shield distance in MAM Preemies is **more than 27 %** shorter than the average of regular full silicone soothers.** Therefore, the small shield design leaves more space for breathing masks and other medical devices.



The distance (A) from the central point of the teat to the upper edge of the shield was measured.

** Scientific reports from the WILD Hi-Precision Institute (Austria) confirm that the upper shield distance in MAM Preemies is shorter than the average by over 27 %. Measured results: 6.96 mm-14.6 mm

Distance from the centre of the teat to the edge of the shield



MAM Preemies: More flexible than any other tested full silicone soother

If the soother takes up too much space in the mouth or babies use too much force to move the teat, this interferes with the development of teeth, the jaw, and mouth muscles. The University Dental Hospital in Vienna (Austria) investigated different one-piece full silicone soothers for premature babies to see how flexible and adaptable their teats were.

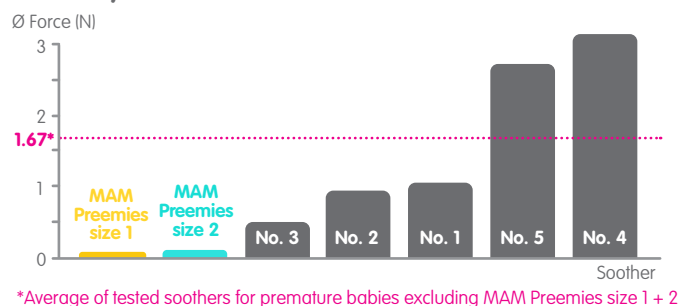


University lecturer Dr Michael Bertl (Austria):

"It appears plausible that the use of a soother with greater flexibility could allow a raised tongue position and thus minimise the impact on the development of the dental arches."

The bottom line: The teat of our MAM Preemies is more than 14 times more flexible*** than the average of the other soothers tested.

Flexibility of the teat



*** Scientific reports from the University Dental Hospital in Vienna (Austria) confirm that MAM Preemies are more than 14 times more flexible than the average. Average values: 0.08 N-3.149 N

Clinical experts recognise the positive features

Our MAM Premies and MAM Comfort can be easily held in the mouth, due to their low weight and so it is not necessary to repeatedly offer them to the baby. Due to the special material characteristics and shape, the small size and low weight, MAM Premies and MAM Comfort 1 are best suited as soothers for premature babies and/or newborns. The intuitively simple handling is also met with positivity – respondents from clinic staff said that they would be willing to use our MAM Premies and MAM Comfort soother in hospitals on a day-to-day basis.

You can find more information at mambaby.com/professionals

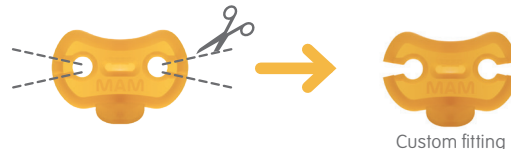
Note: MAM Premies are medical devices (CE) for premature babies that are only suitable for hospital use. They are intended to compensate for the sucking and swallowing weaknesses in premature babies. They therefore do not comply with EN1400 and 16 CFR 1511, and must not be taken home.



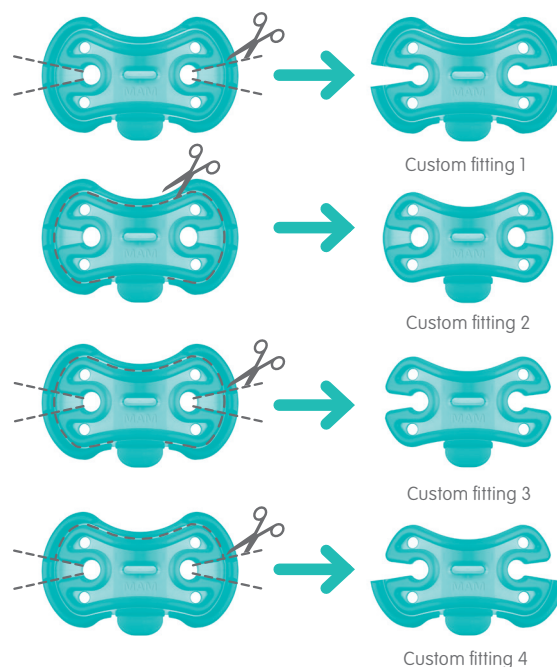
Studies confirm that soothers and breastfeeding are well compatible.⁷ According to the current WHO/UNICEF guidelines **"10 Steps to Successful Breastfeeding"**, hospitals should counsel parents on the use and risks of feeding bottles, teats and soothers.⁸

The fact that MAM Premies size 1 and size 2 can be custom fitted ensures that they leave more space for the use of medical devices.

Fitting option for Premie size 1



Fitting options for Premie size 2



MAM has been supporting babies in their individual development for more than 45 years.

<p><1.000g</p>  <p>Premie size 1</p>	<p>900–1.500g</p>  <p>Premie size 2</p>	<p>>1.400g</p>  <p>Comfort 1</p>	<p>2–6 months</p>  <p>Comfort 2</p>
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CE Medical Device Class 1 for MAM Premie size 1+2

DEVELOPED WITH MEDICAL EXPERTS

Teamwork with medical experts for maximum safety. Only after approval by medical experts is a MAM innovation ready for baby life.

BPA[®] BPS free **Skin Soft[™] Silicone** **Latex free**

*BPA/BPS free: All MAM products are made from materials free of BPA and BPS.

Sources:

- 1) WHO The Global Action Report on Preterm Birth (2012).
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- 3) Kamhawry, H.E., Holditch-Davis, D.L., Alsharkawy, S., Alrafay, S., & Corazzini, K.N. (2014). Non-nutritive sucking for preterm infants in Egypt. Journal of obstetric, gynecologic, and neonatal nursing : JOGNN, 43 3, 330–40.
- 4) Kaya, V., & Ayltekin, A. (2017). Effects of soother use on transition to full breastfeeding and sucking skills in preterm infants: a randomised controlled trial. Journal of clinical nursing; 26(13–14), 2055–2063.
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- 8) WHO. Geneva: World Health Organization. 2018; Licence: CC BY-NC-SA 3.0 IGO.

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