

BPW Type 36 and 36k air bags with 80 only offset

Introduction

BPW is continually liaising with its customers to monitor the performance of its products and introduce improvements to ensure optimal performance and minimal down time. Due to the worsening road conditions, especially for vehicles that travel on off-road conditions, BPW has introduced a new type 36 and 36k air bag bottom plate that only has an 80 mm offset option instead of the traditional 45/80 offset. This was done as most trailers are built with the 80 mm offset, and by removing the additional offset holes, the plate can be stiffened. The 45/80 offset option will still be available for specific projects or as a replacement part.

Additional air bag options available

BPW currently offers the type 36 (05.429.43.51.0) and the type 36k (05.429.43.41.0) air bags with the option of a 45 mm or 80 mm offset from the center of the trailing arm as shown in Figure 1 (this is represented by the "V" value). For most applications, the 80 mm offset is used due to clearance considerations with the tyres.

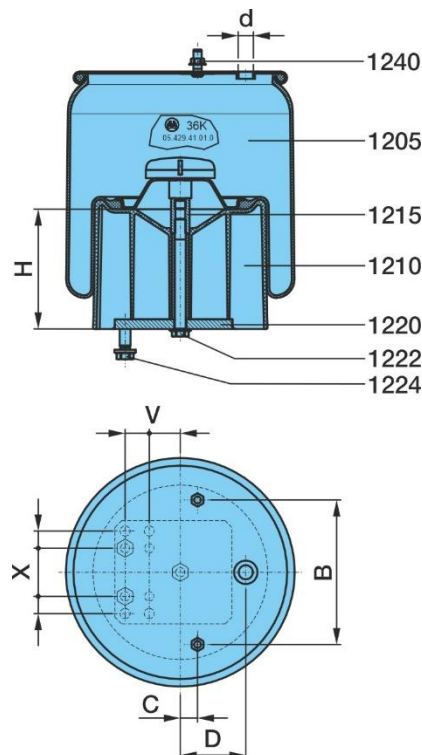


Figure 1: Illustration of a BPW air bag showing different V value offsets for a type 36 or 36k air bag

BPW has received feedback from customers on heavy duty applications that the bottom plates can sometimes bend in extreme conditions due to repetitive impact from the air bag piston to the top

plate. To improve the stiffness of the air bag bottom plate, BPW is offering the type 36 and 36k air bags with the option of only an 80 mm offset. By removing the additional set of holes, the stiffness of the plate can be improved.

The new numbers are 05.429.44.08.0 for the 36k air bag and 05.429.44.09.0 for the type 36 air bag. The old numbers will remain available for projects requiring the 45 mm offset option or as a replacement. If the 80 mm offset is currently used, either air bag can be used. Please ensure that the correct air bag is specified with your order at BPW or with your preferred supplier.

The difference in the bottom plates is shown in Figure 2.



Figure 2: Difference between air bag bottom plates with 80 mm only offset (left) and 45 or 80 mm offset (right)

BPW recommends that the ride height of the axles be verified to ensure that sufficient travel is available on all axles. A lack of upward travel will result in the air bag piston rubber stop colliding with the top of the air bag, which can result in the top or bottom plates bending, or the internals of the air bag being damaged.

Please contact BPW should you have any further questions.