

# Technical data

KDSE 2000 0840 0060

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	840 g
Neck specification [Ø]	ND 60
Overflow volume [ml] / tolerance [ml]	22.300 +/- 400
Weight tolerance according to EN 13974 [g]	+/- 25
Dimensions [mm] (L x W x H)	290 x 248 x 379
Canister labelling surface [mm] (W x H)	222 x 221
Dispatch unit	Packing unit with 6 pieces of canisters up to 84 pieces / pallet; maximum pallet height 2.780 mm
Materia prima	HDPE

	Neck- and closure specification with type designation
Neck specification [Ø]	ND 60
Inside diameter [mm] (= guaranteed)	47
Automatic application of closures and dust caps possible	no
Closure	SK 61
Guarantee closure, (with UN-approval)	SKGB 60301 R04 SKGB 60301 R04 A SYGB 60301 R04 SYGB 60301 R04 A SKUB 60301 R06 SKUB 60301 R06 A SK 61 S SK 61/16 OV SK 61/16 OV SCC SK 61/16 OV TC SK 61/16 OV SCC flach SK 61/16 OV TC flach SK 61 R Napf
Degassing closure	SKUB 60301 R06 E SKUB 60301 R06 EA SKGB 60301 R04 E SKGB 60301 R04 EA SK 61/16 OV/EV SK 61 R Napf EV
Child-proofed closure certified according to DIN EN ISO 8317:2004-11	SK 60/33 MAB MDR CR (DIN)
Child-proofed degassing closure certified according to DIN EN ISO 8317:2004-11	SK 60/33 MAB MDR CR MPV D15 (DIN)
Closure with high-frequency sealant	SKUB 60301 R06 A1 HF SK 61 R/flach SK 61-6 R flach
Closure with drain cock	SKG 60301 R04 AFT AH 13/61

# Technical conditions

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The correct use of our products is subject to technical conditions. Damage to our products, filling material, filling machines or in logistics can be prevented only if these conditions are complied with. In the event of non-compliance with the Technical conditions, we cannot guarantee any technical characteristics of our products, we do not give any warranty and exclude liability towards buyers or users for any damages. This disclaimer includes all damage both to our products and to the filling material as well as consequential damage to other property which can be caused by improper handling of our products. Unless otherwise agreed, our Technical data and conditions are an implicit part of delivery contracts. Only the current online version of the Technical data and conditions on our homepage is valid. We reserve the right to technical modifications. This data sheet is our property and may not be copied or made accessible to third parties without our consent.

## **Influence of filling material**

Even though raw materials used by us have an excellent chemical compatibility, various chemicals can exert influence on the materials used. Therefore, filling materials can have an adverse effect on the characteristics of our plastic packagings. For example, the mechanical stability of our packages reduces as a consequence of the expanding effect of the filling material (e.g. solvents). The resistance lists on our homepage can assist in determining the compatibility of possible filling materials with our packages. Since we cannot give any warranty for the compatibility of the container with the corresponding filling material, it is indispensable for the buyer to carry out his/her own storage and transport tests in order to verify the suitability of the container prior to purchasing product series.

## **Mechanical stability**

It is the sole responsibility of the filler and/or distributor to check that our canisters have a sufficient mechanical stability for the corresponding application, especially with regard to storage and transport conditions (transportation by road, rail, sea, air). Therefore, we always recommend to carry out storage and transport tests with original filling material and original load securing.

## **Load securing**

Our containers are suitable for transport in vertical position and require sufficient load securing. The load securing relates to the complete loading, but in particular to individual load units (e.g. loaded single pallets) on the load floor of the transport vehicle (lorry, railway wagon etc.). Securing of the load units includes securing of the containers on the load carrier (e.g. euro pallet) against shifting, falling over, climbing and protection against humidity, dirt, direct solar radiation, mechanical damage etc. (e.g. by means of a hole-free and crease-free PE shrink film of appropriate thickness and with sufficient undershrinking). Suitable security procedures for load units are described in the VDI guideline 3968. The VDI guidelines 2700 and 2702 contain specifications about stresses during transport.

## **Storage and further processing conditions**

The plastics used by us become brittle due to exposure to UV radiation and lose stiffness at high temperatures. Exposure of coloured articles to UV radiation can cause fading of the colour or complete loss of the colour. Therefore, under the influence of UV radiation we cannot guarantee any container characteristics, and a possible suitability of containers for dangerous goods may also be lost. Thus, always avoid direct influence of UV radiation. In addition, our products must be stored in a clean, dry place, outdoors storage is not beneficial for our packaging components. If storage is possible only outdoors, special (UV) safety precautions with regard to the transport packaging and/or our products (e.g. UV stabilizers) must be taken. Please ask us separately for further information. During unpacking, our products must not receive cuts or notches (not only on the surface). Therefore, to open transport packagings (stretch films or shrink films, cardboard packaging), use foil cutters or cutting devices which pose no risk of damage to our products and do not use knife with an open blade.

## **Suitability for foodstuff**

Comprehensive statements about the suitability for foodstuff of our products can be found in our declaration of conformity, which you will receive on request.

## **Tolerances**

According to Technical drawing.

## **Closures**

In case of canisters for pharmaceutical and general applications, the closures and tightening torques specified in our Technical data should be considered as a recommendation. Our tightening torque recommendations do not release from your own tests. In case of canisters for hazardous goods applications, the specified closures are part of a hazardous goods approval which will be invalidated if other canister-closure combinations are used. The tightening torques to be provided for hazardous goods applications comply with the requirements of the admission office and can be obtained from us.

When using degassing closures, make sure that the degassing system is not permanently wetted in order to fulfil its degassing function. The filler must check the technical suitability of the degassing system with regard to the filling material. We draw your attention to the risk that liquid, depending on the surface tension of the filling material, can pass through the degassing membrane.

#### **Use and application**

Our products are developed and manufactured as one-way packagings. Therefore, container characteristics are achieved only during first filling. For handling filled containers, observe the legal regulations (e.g. load handling regulation, accident prevention regulations or hazardous goods act). In case of refilling, we exclude any warranty and claims for damages.

Containers made from external reclaims (recycled material) may have limited technical properties compared to virgin products. Their suitability for specific applications must be tested and verified by regular own tests. No warranty is given for containers made from external reclaims (recycled material).

#### **Storage life**

German law prescribes that packages for hazardous goods can be used for a period of up to 5 years from date of manufacture, unless a shorter period of use due to the type of the substance to be transported is prescribed. Any packaging showing signs of damage or reduced resistance must not be used any more.