

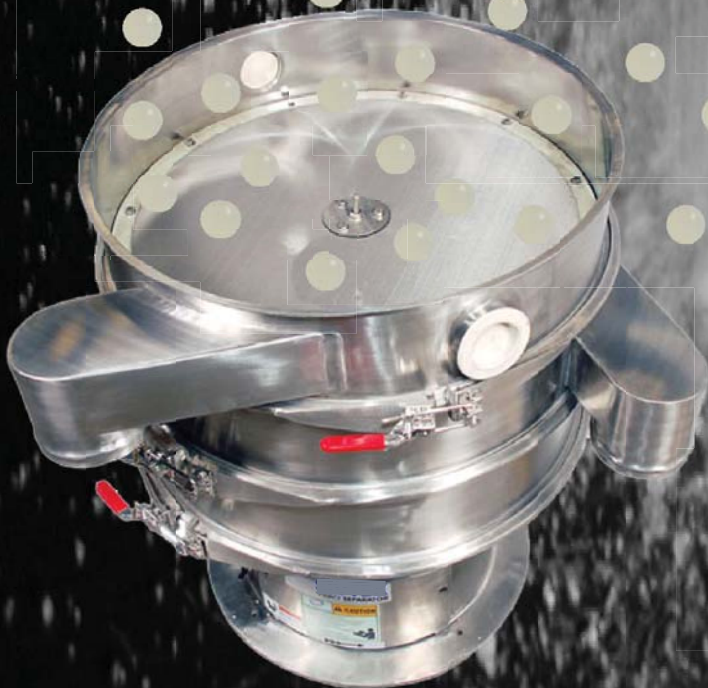
# muller|beltex

*Solid partners for powder and bulk handling components*

## **KAROLEE®**

### **POLYURETHANE SIFTER CLEANING BALLS FOR GRANULATES AND POWDERS**

- **outlives the best rubber balls**
- **improves the purity of your product**
- **non-stick, do not build up**
- **bacteriologically safe, do not crack**
- **FDA approved**
- **high elasticity of 70%**
- **non porous, no fat or moisture absorption**
- **available with magnetic steel core**
- **very active help in the sifting process**





## **KAROLEE®** **POLYURETHANE SIFTER CLEANING BALLS**

In many industries sifter cleaning balls are of vital importance in the processing, grading and cleaning of products.

KAROLEE® sifter cleaning balls are made of highly elastic polymer (FDA regulation 21 CFR 177.2600) and therefore bounce more than other types and remain active in the sifting process. KAROLEE® balls are also highly abrasion resistant.

KAROLEE® sifter cleaning balls will outperform rubber sifter cleaning balls, because KAROLEE® is not degraded by: fumigants, oils, moisture, sub-zero temperatures or age. In a typical application where rubber breaks down within six months to a year, KAROLEE® is still in service after three years or more.

KAROLEE® balls outlast rubber balls by a factor 3 to 5 depending on product handled. This means that your end-product contains up to 80% less abraded ball material and is therefore much safer and more pure.

Our KAROLEE® balls are also available with a magnetic stainless steel core for extreme screen cleaning applications and allowing magnetic detection of ball remnants

### **Test results from our KAROLEE® balls:**

- \* Rebound elasticity acc. to DIN 53512 is max. 70%
- \* Abrasion resistant acc. to DIN 53516 is 30 mm<sup>3</sup> volume loss

KAROLEE® sifter cleaning balls are available in the standard hardness 80° shore A (other hardnesses to order)

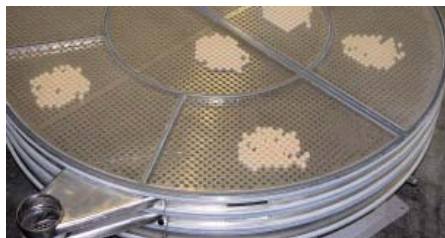
### **Standard sizes:**

<b>Diam. mm</b>	<b>Gram/pc</b>	<b>Number/kg</b>
13	1,13	885
15	2,24	446
20	4,44	264
22	6,00	167
25	8,69	115
28	12,51	80
30	17,03	59
35	22,09	43
42	37,00	27
50	71,96	14

For high heat applications above 60° C. we supply KAROLEE® balls in silicon for temperatures up to 200° C.

**Ask us for Muller Beltex distributors in your region!**

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Sifter cleaning balls are usually made of rubber. However their effectiveness is limited, their wear resistance is low, they are attacked by fats or they build up because products stick to them.

### **KAROLEE® cleaning balls solve these sifter problems.**

KAROLEE® sifter balls are made of highly elastic FDA material, which does not absorb moisture and is non-porous, therefore they do not build up and they are bacteriologically safe.



Thanks to their very high elasticity of approx. 70% they take a very active part in the sifting process and continue to do so for a very long time. This helps considerably to cut downtime for changing balls and screens and the capacity of sifters remains at an optimum high for a longer period of time.

### **KAROLEE® sifter cleaning balls offer the following advantages:**

- safer and purer end product
- very active help in the sifting process
- reduced downtime for changing cleaners
- longer optimum performance of sifter
- lower cost price per ton processed
- available with magnetic detach

### **KAROLEE® sifter cleaning balls offer the following characteristics:**

- non-stick, do not build up, non porous
- bacteriologically safe
- FDA conform to regulation 21 CFR 177.2600
- white colour
- max. operating temperature 60° C.
- do not damage sifter screens
- available in many diameters

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