



**WOLFRAM INDUSTRIE**  
TUNGSTEN TECHNOLOGY GROUP

# DOTIMET® tungsten granules for special applications

**Tungsten granules adapt to your personal demands – not the other way round.**

- 1** sorted grain-size fractions with grain sizes of up to 5 mm
- 2** high bulk and tap densities of 8–12 g/cm<sup>3</sup>
- 3** high abrasion resistance of single grains
- 4** minimal content of carbon and sulfur for analysis purposes

# Tungsten granules with high abrasion resistance for high bulk density.

Granular crystalline DOTIMET® tungsten granules have a high bulk density between 8 and 10.5 g/cm<sup>3</sup>, depending on the grain-size distribution. However, tungsten particles made from forged rods can surpass this density values. Therefore, higher bulk density DOTIMET® tungsten particles are favored for adjustable mass balance. They yield a higher mass force using the same space as massive steel parts, and have the additional advantage of proper motion, which is particularly beneficial for damping purposes.

## DOTIMET® separate grain-size fractions for special demands.

Certain fields of application in technology, however, require tungsten granules with specific grain-size fractions that have a considerably higher bulk density and, to some extent, also with particularly high chemical purity and abrasion resistance, such as in the field of carbon and sulfur analysis.

Quality	Particle size	Bulk density in accordance with ISO 3923	Tap density in accordance with ISO 3927
DOTIMET-1	< 0,042 mm	> 7,5 g/cm <sup>3</sup>	> 9,5 g/cm <sup>3</sup>
DOTIMET-2	0,3–0,50 mm	> 6,6 g/cm <sup>3</sup>	> 8,0 g/cm <sup>3</sup>
DOTIMET-3	0,5–2 mm	> 7,5 g/cm <sup>3</sup>	> 8,5 g/cm <sup>3</sup>
DOTIMET-4	1,0–2,0 mm	> 7,5 g/cm <sup>3</sup>	> 8,5 g/cm <sup>3</sup>
DOTIMET-5	1,0–5,0 mm	> 7,0 g/cm <sup>3</sup>	> 9,0 g/cm <sup>3</sup>

## DOTIMET® tungsten granules – as small, fine, and pure as you wish.

BAYERISCHE METALLWERKE GmbH fulfills your desired, specific demands for tungsten, and delivers it in the quality of DOTIMET® as bulk material with the following properties:



graded grain-size fractions with grain sizes of up to 5 mm



high bulk density and tap densities of 8–12 g/cm<sup>3</sup>



high abrasion resistance of single grains



minimal content of carbon and sulfur for analysis purposes

These properties can be considered individually or together depending on the area of application.

Further information and guidance for safe handling can be found on our website.

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