




Grinding media

for Simoloyer[®]-Technology and ball milling in general

Application	
High Kinetic Processing (HKP): <ul style="list-style-type: none"> • good performance for MA, RM, HEM • durability / impact resistance • low wear & tear • reusable / cleanability (processing of different material) • partly ability of self-coating effects (low contamination) 	Ball-milling in general <ul style="list-style-type: none"> • fine-grinding • homogenisation • mixing • MA, RM (limited)

Standard types for Simoloyer[®]-technology (HKP)

steel / stainless steel	hard metal	ceramic
		
100Cr6, 420 (316, 440)	THM (Co-rich), Co-steel	ZrO₂, Si₃N₄
Ø5 (ø2, ø3, ø4)	ø4	Ø5

Remark: standard grinding-media for Simoloyer-Technology: 100Cr6, ø5mm

Types for powder processing (in general) – selection

usually used for powder technology (ball-milling), partly suitable for HKP

type	application(s)	size(s)
steel	dry processing, milling, (fine-)grinding, homogenisation, mixing etc.	ø2-50mm
stainless steel	dry/wet processing, milling, (fine-)grinding, homogenisation, mixing, etc.	ø2-50mm
steel/rubber	homogenisation, deagglomeration	ø10-50mm
hard-metal	hard-metal industry	ø2-20mm
ceramic	dry/wet processing, often for minerals, pigments etc.	ø0,4-50mm
ceramic/rubber	special applications	ø20-40mm
copper	copper based materials	Ø5-20mm

Examples of materials:

Ceramic / minerals: ZrO₂, Si₃N₄, Al₂O₃, steatite, agate, porcelain

Steel: C-, Cr-steel

Stainless steel: austenitic, ferritic

Note: Grinding media in size, type, material is selected according to the application; not all types are able to be shown. Further types might be available upon inquiry as well.

technical data subject to alterations