

## Profile of rolling bearing damage (Bearing: KA08)

		Category	Unit	Specification/Value
<b>General info</b>		Bearing Type	-	deep groove ball bearing
		Bearing designation (dimension series, bore code)	-	6203
		Suffix	-	-
<b>Manufacturer specific information</b>	Geometry	Diameter of inner raceway	mm	n/a
		Diameter of outer raceway	mm	n/a
		Pitch circle diameter	mm	29.05
		Number of rolling elements	pc.	8
		Rolling element diameter	mm	6.75
		Length of rolling element	mm	6.75
		Nominal pressure angle	°	0
	Parameters	Static load rating	N	n/a
		Dynamic load rating	N	n/a
		Speed limit	min <sup>-1</sup>	n/a
		Manufacturer	-	IBU
<b>Application specific information</b>	Identification	Bearing code	-	KA08
		Sample number	-	6203-A8
	Place of operation	Installation site	-	-
		Installation type (system type)	-	-
		Operator	-	Chair of design and Drive Technology, Paderborn
	Operating conditions	Number of load cycles	cycles	artificial damage, bearing was not operated
		Lifetime	h:min	
		Load	N	
		Dynamic equivalent load	N	
		Rotational speed	min <sup>-1</sup>	
		Load direction	°	
		Comment	-	

		<b>Number of damages</b>	1		
<b>Category</b>			<b>Damage 1</b>	<b>Damage 2</b>	<b>Damage 3</b>
<b>Damage</b>	<b>Type of Damage</b>	Mode	artificial		
		Sub-mode	n/a		
		Symptom	n/a		
	<b>Damage location</b>	Component	AR		
		Position of damage	raceway		
		Damage combination	S		
		Arrangement of the respective damages	without repetitive damage		
	<b>Geometry</b>	Length	mm	2	
		Extent of damage		2	
		Width	mm	2	
		Depth	mm	n/a	
		Characteristic of damage		single point	
	<b>Damage occurrence</b>	Damage method	drilled		
		Cause of damage (category)	artificial		
		Cause of damage (detailed)	n/a		

## Legend

OR: outer ring

IR: inner ring

S: single damage

R: repetitive damage

M: multiple damage