

Profile of rolling bearing damage (Bearing: KA05)

Category		Unit	Specification/Value
General info		Bearing Type	- deep groove ball bearing
		Bearing designation (dimension series, bore code)	- 6203
		Suffix	- -
Manufacturer specific information	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
Application specific information	Parameters	Static load rating	N n/a
		Dynamic load rating	N n/a
		Speed limit	min ⁻¹ n/a
		Manufacturer	- IBU
	Identification	Bearing code	- KA05
		Sample number	- 6203-A5
	Place of operation	Installation site	- -
		Installation type (system type)	- -
		Operator	- Chair of design and Drive Technology, Paderborn
	Operating conditions	Number of load cycles	cycles
		Lifetime	h:min
		Load	N
		Dynamic equivalent load	N
		Rotational speed	min ⁻¹
		Load direction	°
		Comment	-

		Number of damages	1		
Damage	Category		Damage 1	Damage 2	Damage 3
	Type of Damage	Mode	artificial		
		Sub-mode	n/a		
		Symptom	n/a		
	Damage location	Component	OR		
		Position of damage	raceway		
		Damage combination	S		
		Arrangement of the respective damages	without repetitive damage		
	Geometry	Length mm	1		
		Extent of damage	1		
		Width mm	1		
		Depth mm	n/a		
		Characteristic of damage	single point		
	Damage occurrence	Damage method	electric engraver		
		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