



Part Number	6207
Bearing Series	Radial
Hybrid (Si ₃ N ₄ Balls)	No

Geometrical Data

Number of Balls	Z [Qty.]	9
Bearing Weight	m [kg]	0.315

Bearing Load Ratings¹

Dynamic Radial Load Rating	C [N]	28,000
Static Radial Load Rating Steel Balls	C ₀ [N]	17,200
Static Radial Load Rating Si ₃ N ₄ balls	C _{0HY} [N]	12,100

Bearing RPM Ratings²

Speed Value with Oil Lubrication	n _{oil} [1/min]	25,875
Speed Value with Grease Lubrication	n _{grease} [1/min]	20,700

Notes:

1. The stated load ratings are given for a single bearing with grease lubrication. If specific applications differ, please consult GMN USA engineers.
2. Speed ratings are for phenolic outer land guided cage (TA). Please consult the full GMN Bearing catalog or GMN USA engineers for speed ratings of different cages.

Bearing Dimensions

Bore Diameter	d [mm]	35
Outer Diameter	D [mm]	72
Bearing Width	B [mm]	17
Pitch Circle	d _m [mm]	53.5
Ball Diameter	D _w [mm]	11.112
OD Inner Ring	d ₁ [mm]	47.4
ID Outer Ring	D ₁ [mm]	60.5
Chamfer	r _{1,2} [mm]	1.0

Mating Part Dimensions

Abutment Diameter Inner Ring	d _a min. [mm]	43.0
Abutment Diameter Outer Ring	D _a max. [mm]	64.0
Chamfer Associated Component	r _a max. [mm]	1.0