

6205DDU7C3EX28 D4MS5



Current Selection

Design/Internal Design	Single row deep groove ball bearing, series 62	--
Sealing	DDU7: Contact rubber seal on both sides - fluorine rubber up to 200°C	--
Cage	Pressed steel	--
Radial Internal Clearance	--	--
Accuracy	Standard accuracy	--
Lubricant	D4M: Dow Corning DC44 Med	--
Lubricant Fill	S: Approximately 30% to 55% (NSK standard)	--
Special Materials	--	--
Other	X28: Heat stabilization up to 200°C, Consult with NSK Engineering for Limiting Speeds	--

Main Dimensions and Performance Data

d	25 mm	Bore Diameter
D	52 mm	Outside Diameter
B	15 mm	Width
r (min.)	1 mm	Chamfer Dimension
C _r	0.00 N	Basic Dynamic Load Rating
C _{0r}	6550.00 N	Basic Static Load Rating
	9000.00 rpm	Limiting speed, grease
	--	Limiting speed, oil
	0.129 kg	Weight (approx.)

Snap Ring/Snap Ring Groove Dimensions

D ₂ (max.)	--	Outside diameter, snap ring
f (max.)	--	Width, snap ring
a (min.)	--	Width, snap ring groove to outer ring side face
b (min.)	--	Width, snap ring groove
D ₁ (max.)	--	Diameter, snap ring groove
r ₀ (max.)	--	Bottom radius, snap ring groove
r _N (min.)	--	Chamfer Dimension

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Mounting Dimensions

d_a (min.)	30.0 mm	Minimum diameter, shaft shoulder
d_a (max.)	32.0 mm	Maximum diameter, shaft shoulder
D_a (max.)	47.0 mm	Maximum diameter, housing shoulder
r_a (max.)	1.0 mm	Maximum fillet radius
D_x (min.)	--	Minimum diameter, housing snap ring recess
C_y (max.)	--	Distance, side face to snap ring back face

Calculation Factors

f_0	13.9	Axial Load Factor
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