

Bearing selection

Products Series

AISI 440C

AISI 304

AISI 630

Pure Titanium

Ceramic

Heat Resistance

Grease Free

Low Torque

Solid Grease

Set Screw

Alignment Function

Flange Unit

Guide Wheel

6800
6900

SS5200
5200

5800


Customization

Example of Use

5800 Series Double Row Angular Contact Bearings (SAE 52100)



General



Thin-wall type double-row angular contact ball bearings, suitable for compact and lightweight equipment, resulting in low torque and smooth rotation, and designed to sustain axial load in both directions.

Product Specifications

Standard Specifications	
Inner and Outer Rings	SAE 52100
Balls*1	SAE 52100
Retainer	Polyamide resin
Shield	SECC
Seal*2	Nitrile rubber
Lubricant*3	Lithium grease
ISO Tolerance Class	Normal
Contact Angle	25°

The following special specifications are also available.

- *1 Ceramic balls (Silicon Nitride Si₃N₄)
- *2 Fluorine rubber seal
- *3 Food grade grease, other special greases

Composition of bearing number

5806 ZZ

1

2

1 Basic number

2 GG* : Open with seal groove
ZZ : Double steel plate shields
2RS : Double contact rubber seals

*Open type with SAE 52100 has a code "GG" after bearing number.

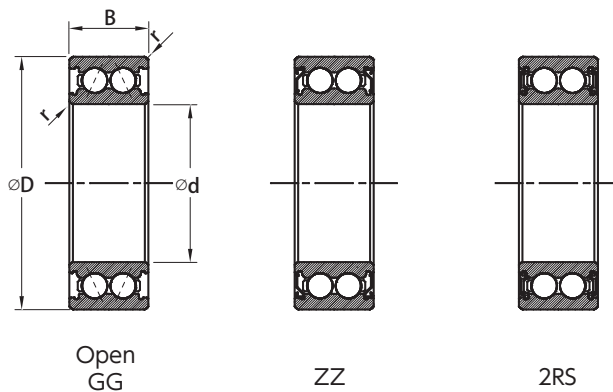


Table of Dimensions

Bearing Numbers	d	D	B	r min.	Basic Load Ratings		Limiting Speed (min ⁻¹)		
					C _r	C _{or}	Grease		Oil
							Open-ZZ	2RS	Open
5806	30	42	10	0.3	5950	5650	8300	8300	13000
5807	35	47	10	0.3	6350	6500	7300	7300	11000
5808	40	52	10	0.3	6700	7300	6500	6500	9800
5809	45	58	10	0.3	6850	7800	5800	5800	8700
5810	50	65	12	0.3	9750	10900	5200	5200	7800

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