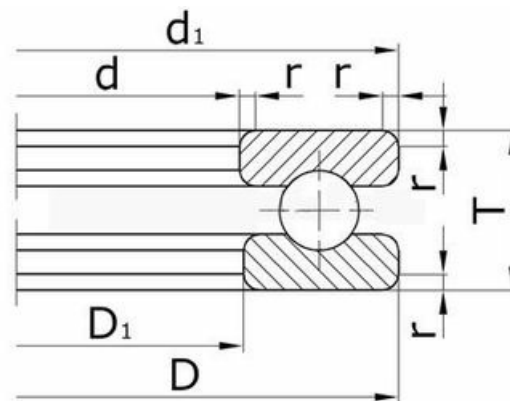


## 8205



### Technical sheet of 8205

Type :	Thrust Ball Bearings	
Model :	<a href="#">8205</a>	
Main demensions :	25 mm × 47 mm × 15 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.12	Mass
HS Code :	8482104000	Bearing customs code
d mm:	25	inner ring diameter
D mm:	47	Outer ring diameter
B(T) mm:	15	Overall Width

#### Detailed parameters and installation dimensions:

r: 1 mm, D1: 25.2 mm, d1: 47 mm

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#### 8205 features:

Simple structure and low cost: Composed of simple washer-shaped raceways (shaft race, housing race) and ball-cage assemblies, the manufacturing process is relatively mature and the cost is low.

High axial load capacity (in compact size): Using point-contact steel balls, although the rigidity is not as high as line-contact rollers, it can provide a high unidirectional axial load capacity within a small installation space.

Low friction and good high-speed performance: Low rolling friction, especially under high-speed, light-load pure axial conditions, resulting in smooth operation and relatively low heat generation.

Easy installation: The structure is separable; the shaft race, housing race, and ball-cage assemblies can be installed independently. Installation of unidirectional thrust ball bearings is particularly simple.

Multiple types to meet different needs:

Single-directional thrust ball bearings: Can only withstand axial force in one direction.

Double-direction thrust ball bearings: Can withstand axial force in two directions, consisting of one shaft race, two housing races, and two sets of ball-cage assemblies.

Thrust ball bearings with self-aligning races: The races are spherical and can automatically align with the spherical supports of the bearing housing to compensate for minor installation misalignment.

**8205 application:**

Automotive Industry: Clutch release mechanisms, steering systems, transmissions.

General Industrial Machinery: Vertical water pumps, vertical motors, gearboxes, crane hooks.

Machine Tools and Equipment: Machine tool spindles, auxiliary positioning for slewing bearings.

Household Appliances and Everyday Equipment: Household washing machines, electric drills, mixers.

Agricultural and Construction Machinery: In various drive shafts and rotating components.

oil and gas drilling rigs

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