

Urethane Bearing

High Precision, Low Vibration and Low Noise for Feeding Machinery



ISC's urethane bearing is a miniature ball bearing with polyurethane rubber heat-sealed directly to its outer diameter.

The urethane bearing is an appropriate solution for feeding machinery which requires high precision, low vibration and low noise parts.

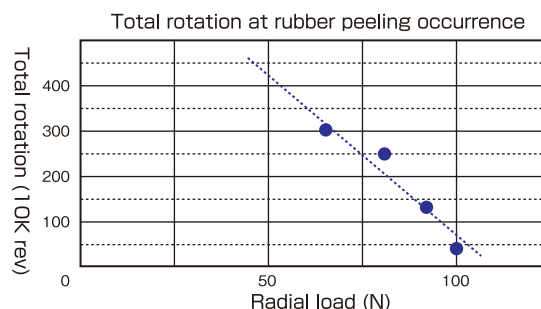
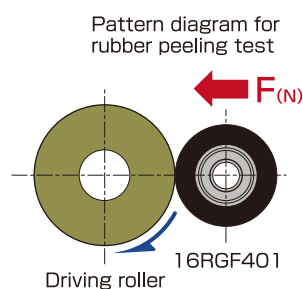
Characteristics

- Heat-sealed rubber directly on the outer diameter of bearing.
- Grinding finish on rubber outer diameter.
- High precision, low vibration, low noise
- All standard dimension items are available
- Special dimensions and other material versions are available upon request.

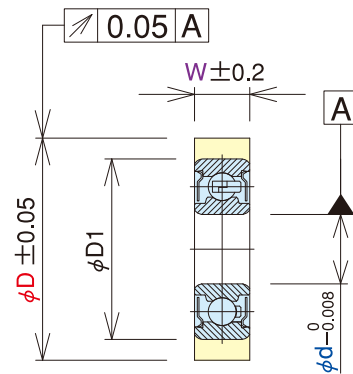
Applications

◎ATM ◎Ticketing Machine

Rubber Peeling Data



In the case that radial load is 5% of basic load rating, total rotation at rubber peeling occurrence is after approx. three million rotations.



Unit: mm

Part Number	Boundary Dimensions				Bearing Part number
	ϕd	ϕD	W	$\phi D1$	
11RGF301	3	11	4	8	693ZZ
12RGF301		12			
13RGF301		13			
14RGF301		14			
11RGF402	4	11	4	9	684ZZ
12RGF402		12			
13RGF402		13			
14RGF402		14			
15RGF401	4	15	5	13	624ZZ
16RGF401		16			
17RGF401		17			
18RGF401		18			
19RGF401		19			
13RGF501	5	13	5	11	685ZZ
14RGF501		14			
15RGF501		15			
16RGF501		16			
17RGF501		17			
18RGF501		18			
19RGF501		19			
20RGF501		20			
14RGF601	6	14	4	12	MR126ZZ
15RGF601		15			
16RGF601		16			
17RGF601		17			
18RGF601		18			
19RGF601		19			
20RGF601		20			
21RGF601		21			
22RGF60		22			

Unit: mm

Part Number	Boundary Dimensions				Bearing Part number
	ϕd	ϕD	W	$\phi D1$	
17RGF602	6	17	5	15	696ZZ
18RGF602		18			
19RGF602		19			
20RGF602		20			
21RGF602		21			
22RGF602		22			
23RGF602		23			
24RGF602		24			
18RGF801	8	18	5	16	688ZZ
19RGF801		19			
20RGF801		20			
21RGF801		21			
22RGF801		22			
23RGF801		23			
24RGF801		24			
25RGF801		25			
26RGF801		26			
27RGF801		27			
28RGF801		28			

*Rubber Material : Polyether urethane rubber (black),
Hardness: HS90°±3°

*Working Temperature: -30°C~70°C

*Stainless steel is used for bearing material

*Please consult with ISC for special dimensions,
form and material.

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※Contents may be revised without prior notice