

High Precision Miniature Guide Follower



ISC provides extra small size guide follower mounted with two pieces of in-house made high precision miniature ball bearing.

Recommended applications

- Small carrier device

Parts Material

- Shaft : SUS420J2 ○ Spacer : SUS303
- Roller : SUS420J2 ○ Bearing : SUJ2

*Heat treated on roller part Reference Value: Hardness HRC40 or more

Accessory

- Stainless steel hexagon nut

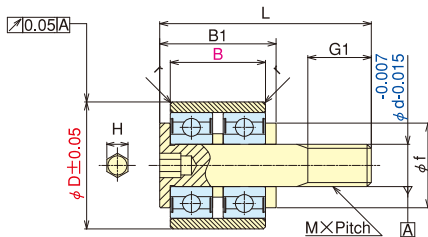
Features

- Low friction torque
Extra low friction torque is achieved by using high precision miniature ball bearings.
- No looseness
No looseness on roller due to the pre-loaded bearing mounting

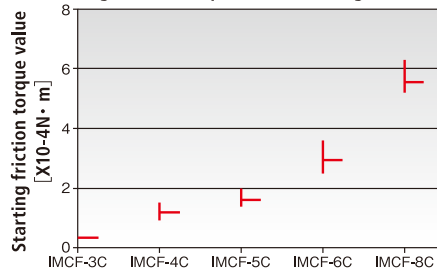
Variations

- Low noise guide follower
Either plastic or urethane rubber is attached /heat-attached.
- Axial guide follower
Axial load is supported by flanged roller.
- Anti-corrosive guide follower
Super high anti-corrosive material, TBN-6H is used for roller and bearings.

1.5



Starting friction torque for miniature guide follower



Part Number	φd	φD	L	B	B1	M×Pitch	G1	H	r	φf	Unit : mm		
											Basic load ratings(N)		Limiting speed (rpm)
											Cr	Cor	
IMCF-3C	3	10	17	8.5	9.5	M3×0.5	5	1.5	C0.2	7	572	173	52,000
IMCF-4C	4	12	20	9	11	M4×0.7	6	2	C0.4	8	957	431	38,000
IMCF-5C	5	13	23	10	12	M5×0.8	7.5	2.5	C0.2	9	994	440	36,000
IMCF-6C	6	16	28	12	14	M6×1.0	9	3	C0.2	11	1518	742	30,000
IMCF-8C	8	19	32	12	16	M8×1.25	11	4	C0.2	14	1682	708	24,000

※Please consult ISC for special dimensions and form.

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※Contents may be revised without prior notice.