

# 高精度微型 凸轮从动件导承



提供使用本公司制高精度微型滚珠轴承 2 颗的极小径凸轮从动件导承

### 用途

◎小型搬运装置

### 部件材质

◎轴：SUS420

◎垫片：SUS303

◎滚子：SUS420

◎轴承：SUJ2

※滚子经过淬火 参考值：硬度 HRC51

### 附属零件

◎不锈钢制六角螺母

## 特 长

#### ■摩擦扭矩低

由于使用微型滚珠轴承,所以摩擦较小。

#### ■稳定性好

使用预先加上予压力的培林组装的滚子,比较稳定不会晃动。

## 应 用 例

#### ■静音凸轮从动件导承

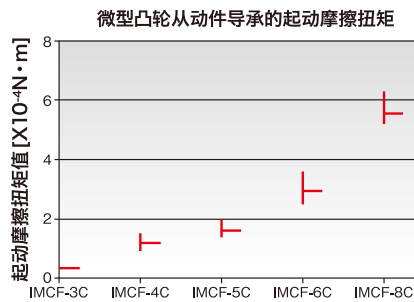
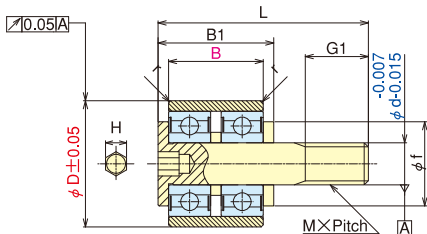
滚子外径装有树脂,或者固定有聚氨酯橡胶。

#### ■轴向凸轮从动件导承

在滚子上装有法兰,支持轴向荷重。

#### ■高耐腐蚀凸轮从动件导承

滚子,轴承使用 TBN-6H 材料。



单位: mm

型号	φd	φD	L	B	B1	M×Pitch	G1	H	r	φf	基本额定负荷(N)		极限转数(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	733	270	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

※如如上表以外的尺寸以及形状, 请咨询。

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Best choice for low torque/weight carrier devices.

# 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 : SUS420
  - Spacer : SUS303
  - Roller : SUS420
  - Bearing : SUJ2
- \* Heat treated on roller part Reference Value: Hardness HRC51

### Accessory

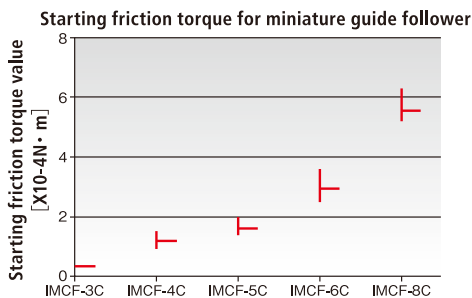
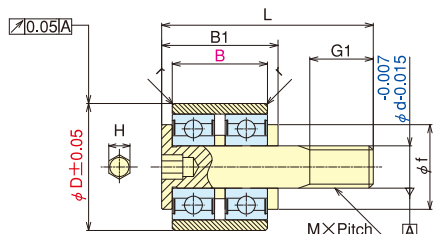
- Stainless steel hexagon nut

### 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.



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
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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.

## NSK Micro Precision Co., Ltd.

<http://www.nskmicro.co.jp/english> (Please visit our English site for details)

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※Contents may be revised without prior notice.