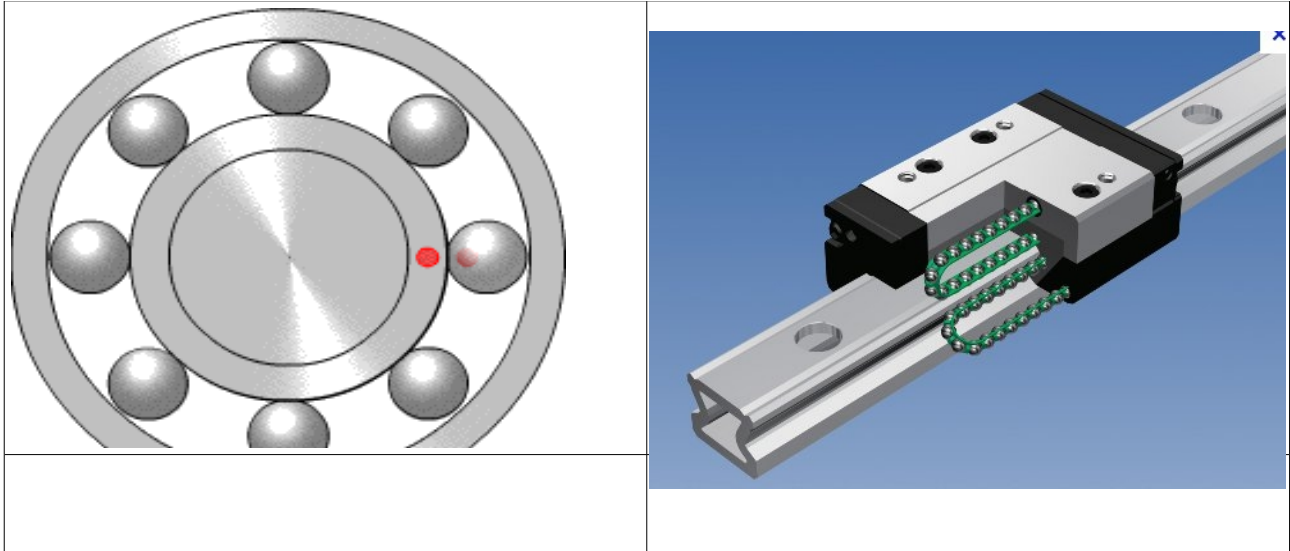


軸承介紹



軸承功能

軸承為機械中的固定機件。當其他機件在軸上彼此產生相對運動時，用來保持位置及降低摩擦係數的機件。

軸承分類

A 以摩擦方式分

1. [滾動軸承](#)
2. [滑動軸承](#)

B.以運動形式分

1. [迴轉軸承](#)
2. [線性軸承](#)

C. [#特殊環境](#)

D.以滾子外型

1. [滾珠軸承](#) 60XX,Z,V,RS
2. [斜角滾珠](#) 軸承 70XX
3. [滾柱軸承](#) N204
4. [斜錐滾子](#) 302XX
5. [球狀滾桶軸承](#) 220XX
6. [針狀軸承](#) NK,TA,TLA
7. [連坐軸承](#) UCP206,
8. [桿端軸承](#) PHS, POS
9. [止推平面軸承](#) 511XX

軸承安裝注意事項

1. 選擇正確的安裝工具
 - a. [衝擊安裝](#)
 - b. [加熱安裝](#)
2. 測量工具
 - a. [針盤式指示量表](#)
 - b. [扭力扳手](#)
 - c. [同心測量](#)
3. 機械結構
 - a. 固定端,浮動端
 - b. 預壓, 預拉
 - c. 盈餘配合,干涉配合 (軸承間隙 **C2**, **CM**, **C3** 的選定)

軸承保養

1. 未安裝全保持包裝完整
2. 選用適當的拆卸工具
3. 潤滑
4. 油霧 潤滑油 黃油 定量油杯

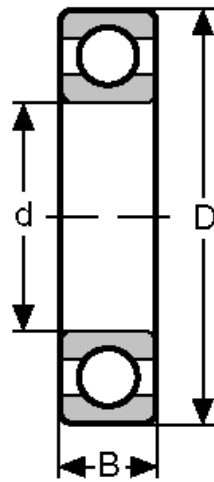
應用實例

滾動軸承

- 相對運動的兩個面之間有滾動的介質這些介質可能是
- 滾珠,圓錐滾柱,球面滾桶,當軸承迴轉時這些介質是會滾動的

滾動軸承

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- 滾珠,圓錐滾柱,球面滾桶
- 當軸承迴轉時這些介質是會滾動的

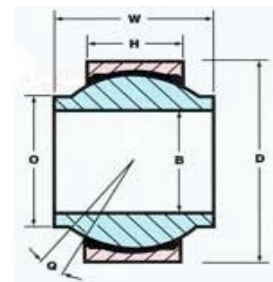
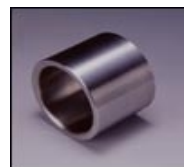


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滑動軸承

滑動軸承

- 相對運動的兩個面之間有無滾動的介質
- 為減少摩擦這兩個面最少須要是一面是低摩擦係數的材料.
- 並且需要有是當的潤滑劑.

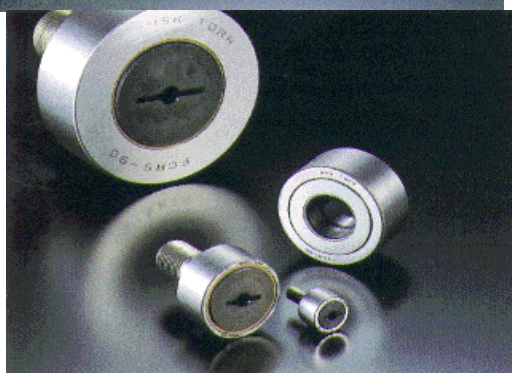


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迴轉軸承

迴轉軸承

向著同一中心點迴轉的軸承

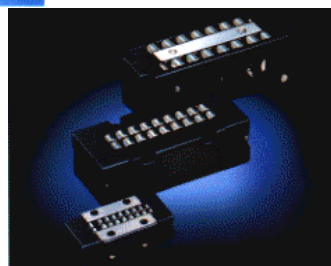
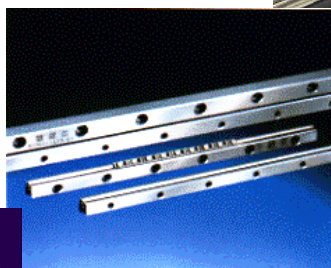
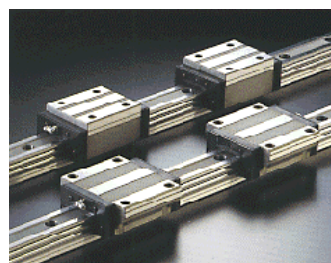


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線性軸承

線性軸承

直線運動的軸承



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特殊環境 軸承 高溫, 無塵, 真空
and radiation-resistant environments, among others.

SPACEA™

The SPACEA™ Series is adaptable to a wide variety of applications, including machinery for semiconductors, LCDs, hard disk production, pharmaceutical/cosmetics production, and ceramics/chemistry/optical apparatuses. The Series consists of optimum bearings, ball screws and NSK Linear Guides* that can be applied to demanding operating environments.

Sanitary environments

- Food processing machinery
- Medical instrument

Corrosive environments

- Cleaning equipment for semiconductors, LCD panels, PDPs, and hard disks
- Food processing machinery
- Conveyors
- Chemical plants
- Plating facilities

High temperature environments

- Glass production machinery
- Glass processing machinery
- Glass packaging machinery
- Glass inspection machinery
- Glass sorting machinery
- Glass cutting machinery
- Glass grinding machinery
- Glass polishing machinery
- Glass coating machinery
- Glass annealing machinery
- Glass tempering machinery
- Glass strengthening machinery
- Glass laminating machinery
- Glass bonding machinery
- Glass welding machinery
- Glass brazing machinery
- Glass sintering machinery
- Glass firing machinery
- Glass melting machinery
- Glass casting machinery
- Glass pressing machinery
- Glass rolling machinery
- Glass extruding machinery
- Glass blowing machinery
- Glass drawing machinery
- Glass spinning machinery
- Glass weaving machinery
- Glass knitting machinery
- Glass crocheting machinery
- Glass braiding machinery
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High temperature environments

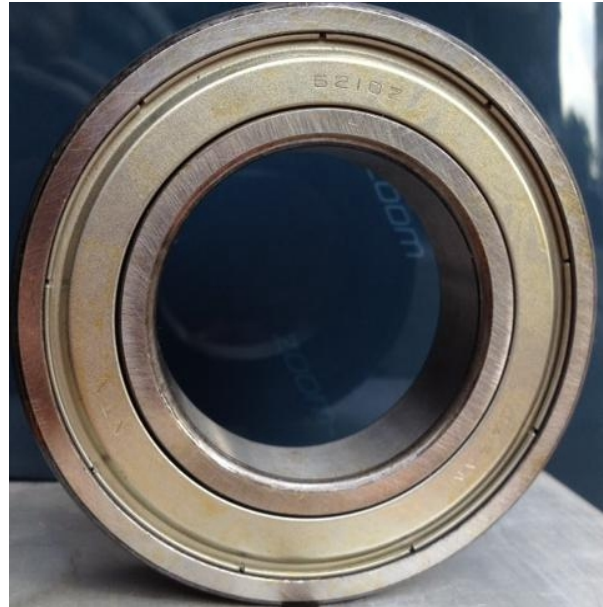
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SPACEA™ Series bearings

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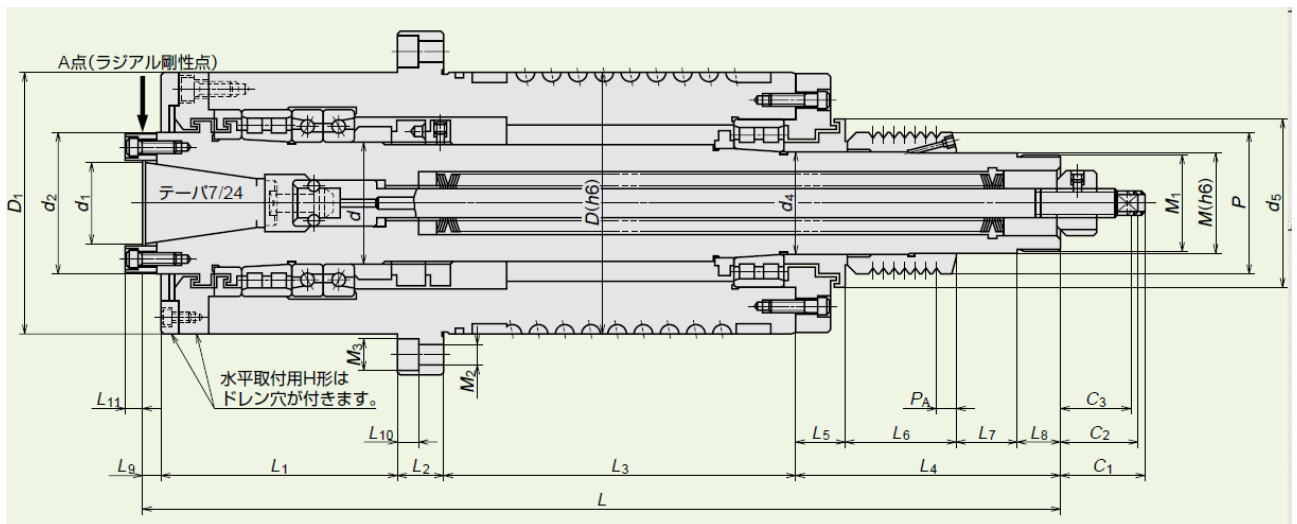
滾珠軸承

滾珠軸承



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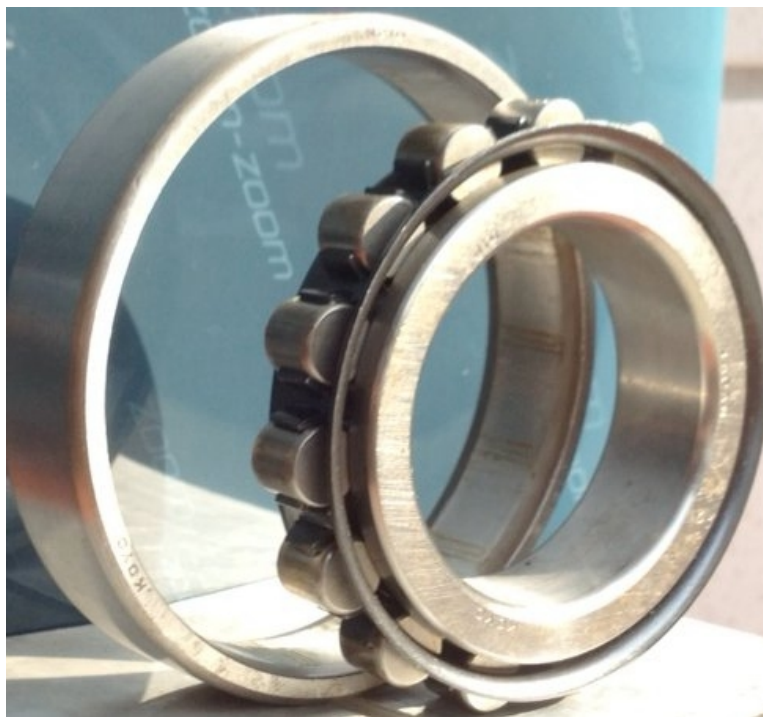
斜角滾珠



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滾柱軸承

滾柱軸承



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斜錐滾子軸承

斜錐滾子軸承



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球狀滾筒軸承

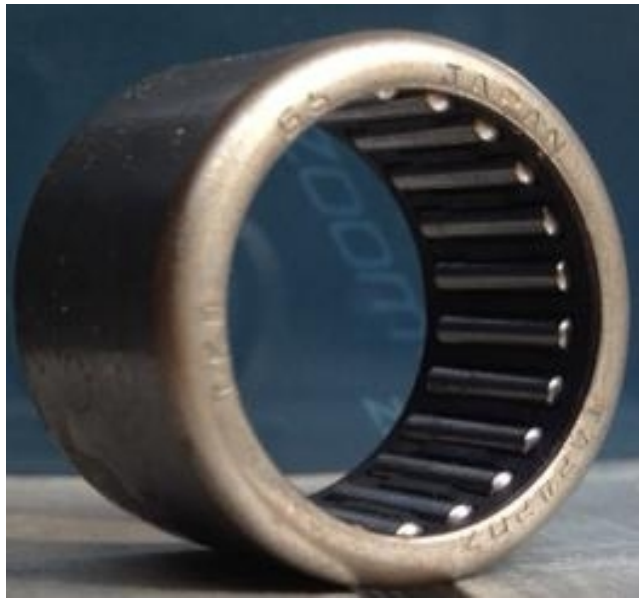
球狀滾筒軸承



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針狀軸承

針狀軸承



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連座軸承

連座軸承



[BACK](#)

桿端軸承

桿端軸承



[BACK](#)

止推平面軸承

止推軸承



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衝擊安裝

In this way mounting forces are not transmitted via balls or rollers of the bearings and hence the raceways are not damaged.

- IMPACT 33**
- with 33 rings, suitable for +/- 375 bearings.

coloured, to avoid mistakes.



TIP! Use in combination with: Betex induction heaters, page 64, 65

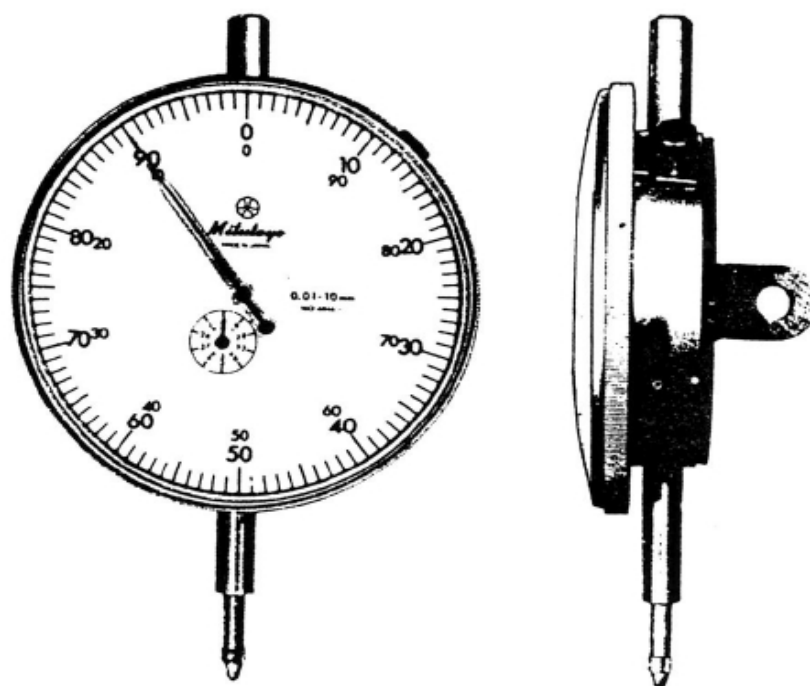
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加熱安裝



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針盤式指示量表



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扭力板手



WP

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同心測量



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