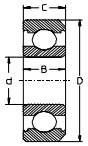
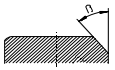
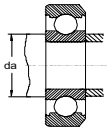
# Examples of bearings for linear guide systems - Profiles D and E




**Profile D**



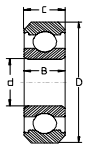

**Cages and shields**

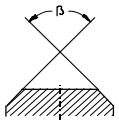
- **Available**
- **Feasible** (minimum quantity)
- **Out of program**

**Profile codes and specialities.** (page 93)

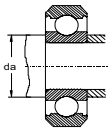
- **D** : One-side chamfer
- **E** : Double side chamfer
- **M** : Ring larger than the other
- **S** : Ring in stainless steel X 65 Cr 13 (ACD34)
- **SD** : Without groove for protections on the outer ring

| d | Dimensions D | B | C | Designation | Profile specification | Limiting speeds rpm x 1'000 Oil | Grease | Contact seals | Basic load ratings Dyn. Cr | Stat. Cor | Abutment dimensions da min | Mass | Designation | Cage Y Shields | Cage J Shields | Cage T9H Shields | Cage TBH Shields |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | | | | | | | | kN | kN | mm | ~ gr | | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV |
| **4** | 12 | 4 | 4 | **DMS4ES00** | 45 | 43 | 36 | 24 | 0.712 | 0.272 | 4.8 | 2.5 | **DMS4ES00** | ■ ■ ■ ■ ■ ■ ■ □ □ | | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| | 12.7 | 3.967 | 3.967 | **D4E00** | 35 | 43 | 36 | 24 | 0.712 | 0.272 | 4.8 | 2.6 | **D4E00** | ■ ■ ■ ■ ■ ■ ■ □ □ | | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| | 13 | 3.925 | 4 | **DMS4S00** | 45 | 43 | 36 | 24 | 0.712 | 0.272 | 4.8 | 3.1 | **DMS4S00** | ■ ■ ■ ■ ■ ■ ■ □ □ | | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| | 13 | 5 | 5 | **D400** | 45 | 45 | 38 | 24 | 1.300 | 0.486 | 5.6 | 2.8 | **D400** | ■ ■ ■ ■ ■ □ □ □ □ | | ■ ■ ■ ■ ■ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| | 13 | 5 | 5 | **DS4S00** | 45 | 45 | 38 | 24 | 1.300 | 0.486 | 5.6 | 3.2 | **DS4S00** | ■ ■ ■ ■ ■ □ □ □ □ | | ■ ■ ■ ■ ■ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| **7** | 25 | 6.925 | 7 | **DM700** | 45 | 36 | 30 | 20 | 3.280 | 1.360 | 9 | 18.2 | **DM700** | ■ ■ ■ ■ ■ ■ ■ □ □ | | ■ ■ ■ ■ ■ ■ ■ □ □ | ■ ■ □ ■ □ ■ □ □ □ |
| **8** | 25 | 6.9 | 7 | **DMS8ES00** | 45 | 36 | 30 | 20 | 3.280 | 1.360 | 10 | 17 | **DMS8ES00** | ■ ■ ■ ■ ■ ■ ■ □ □ | | ■ ■ ■ ■ ■ ■ ■ □ □ | ■ ■ □ ■ □ ■ □ □ □ |
| | 25 | 7 | 7 | **D8E01** | 35 | 36 | 30 | 20 | 3.280 | 1.360 | 10 | 18 | **D8E01** | ■ ■ ■ ■ ■ ■ ■ □ □ | | ■ ■ ■ ■ ■ ■ ■ □ □ | ■ ■ □ ■ □ ■ □ □ □ |
| | 25 | 7 | 7 | **D8E00** | 35 | 36 | 30 | 20 | 3.280 | 1.360 | 10 | 16 | **D8E00** | | ■ ■ ■ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| **10** | 34 | 8.92 | 9 | **DM1000** | 45 | 32 | 26 | 17 | 5.970 | 2.630 | 14 | 38 | **DM1000** | ■ ■ ■ ■ ■ □ □ □ □ | | ■ ■ ■ ■ ■ □ □ □ □ | ■ ■ □ ■ □ ■ □ □ □ |
| | 34 | 9 | 9 | **D10E00** | 35 | 32 | 26 | 17 | 5.970 | 2.630 | 14 | 42 | **D10E00** | ■ ■ ■ ■ ■ □ □ □ □ | | ■ ■ ■ ■ ■ □ □ □ □ | ■ ■ □ ■ □ ■ □ □ □ |
| **12.7** | 28.575 | 7.938 | 7.938 | **D12,700** | 8 | 32 | 26 | 17 | 5.100 | 2.370 | 14.7 | 19.1 | **D12,700** | ■ ■ ■ ■ ■ ■ ■ □ □ | | ■ ■ ■ ■ ■ ■ ■ □ □ | ■ ■ □ ■ □ ■ □ □ □ |




**Profile E**




| | | | | | | | | | | | | | | Cage Y Shields | Cage J Shields | Cage T9H Shields | Cage TBH Shields |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV | Open Z 2Z RSR 2RSR RSF 2RSF RSV 2RSV |
| **4.762** | 12.7 | 3.967 | 3.967 | **E4,7SD00** | 103 | 43 | 36 | 24 | 0.712 | 0.272 | 5.6 | 10.6 | 2.4 | **E4,7SD00** | ■ | □ | □ |
| **6** | 18 | 7.6 | 7.6 | **E600** | 90 | 43 | 36 | 24 | 1.060 | 0.425 | 7 | 12 | 11.1 | **E600** | ■ ■ ■ ■ ■ □ □ □ □ | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| **8** | 29 | 7.5 | 7 | **E8M00** | 90 | 39 | 33 | 20 | 3.330 | 1.370 | 10 | 23 | 24.6 | **E8M00** | ■ ■ ■ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ | □ □ □ □ □ □ □ □ □ |
| **15** | 42 | 11 | 11 | **E15SD00** | 90 | 26 | 20 | 13 | 7.730 | 3.760 | 19 | 32 | 85 | **E15SD00** | ■ | □ | □ |

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