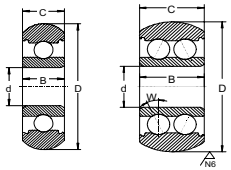
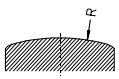
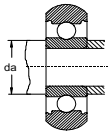
Examples of bearings for linear guide systems - Profile B





Profile B



Cages and shields

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

Profile codes and specialities. page 93)

- **B** : Convex profile
- **K** : Raceway off centered
- **M** : Ring larger than the other
- **S** : Ring in stainless steel X 65 Cr 13 (ACD34)
- **T** : Double row
- **X** : Special form not identified by one of the other codes

Dimensions d	D	B	C	Designation	Angle of contact W	Profile specification R max	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 Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage J Shields Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage T9H Shields Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV	Cage TBH Shields Open	Z	2Z	RSR	2RSR	RSF	2RSF	RSV	2RSV
	mm					mm				kN	kN	mm		~ gr																																					
4	13	5	5	**B400**	-	9.5	45	38	24	1.300	0.486	5.6	11.4	1.6	**B400**	■	■	■	■	■	▒	▒	▒	▒										■	■	■	■	■	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒
	13	5	5	**BS4S00**	-	75	45	38	24	1.300	0.486	5.6	11.4	3.2	**BS4S00**	■	■	■	■	■	▒	▒	▒	▒										■	■	■	■	■	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒	▒
5	16	5	5	**BX500**	-	8.05	43	36	22	1.880	0.681	7.0	14.0	4.9	**BX500**	■	■	■	■	■	▒	▒	▒	▒										▒	▒		▒		▒		▒			■	■		■		▒		▒	
	16	6	5	**B5M00**	-	8	43	36	22	1.880	0.681	7.0	14.0	4.8	**B5M00**	■	■	■	■	■	▒	▒	▒	▒										▒	▒		▒		▒		▒			■	■		■		▒		▒	
6	19	6	6	**B600**	-	500	38	32	22	2.460	1.050	8.0	17.0	8.4	**B600**	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒	■	▒
7	22	7	7	**B701**	-	11	36	30	20	3.280	1.360	9.0	20.0	12.8	**B701**	■	■	■	■	■	■	■	▒	▒										■	■	■	■	■	■	■	▒	▒	■	■	▒	■	▒	■	▒	▒	▒	▒
	22.8	7	7	**B700**	-	4.762	38	32	22	2.460	1.050	9.0	17.0	15	**B700**	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒	■	▒
	22.9	7	7	**B702**	-	4.6	38	32	22	2.460	1.050	9.0	17.0	14	**B702**	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒	■	▒
8	22	7	7	**B800**	-	500	36	30	20	3.280	1.360	10.0	20.0	12	**B800**	■	■	■	■	■	■	■	▒	▒										■	■	■	■	■	■	■	▒	▒	■	■	▒	■	▒	■	▒	▒	▒	▒
	22	7	7	**B804**	-	11	36	30	20	3.280	1.360	10.0	20.0	12.4	**B804**	■	■	■	■	■	■	■	▒	▒										■	■	■	■	■	■	■	▒	▒	■	■	▒	■	▒	■	▒	▒	▒	▒
	22	8	7	**B8M00**	-	500	38	32	22	2.460	1.050	10.0	20.0	13	**B8M00**	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	▒	■	▒	■	▒	■	▒	■	▒
	22	14	14	**BMT8K00** *double rows*	-	100	36	30	20	5.050	2.710	10.0	20.0	21.7	**BMT8K00**																			■	■	■	■	■	■	■	▒	▒	■	■	■	■	■	■	■	▒	▒
	22	14	22	**BMT800** *double rows*	-	100	36	30	20	5.050	2.710	10.0	20.0	24.5	**BMT800**																			■	■	■	■	■	■	■	▒	▒	■	■	■	■	■	■	■	▒	▒
	22	14	22	**SBMT800** *double rows*	-	100	36	30	20	5.050	2.710	10.0	20.0	24.5	**SBMT800**																			■	■	■	■	■	■	■	▒	▒	■	■	■	■	■	■	■	▒	▒

See track rollers spherical, pages 46-53

* Version available with TNH cage

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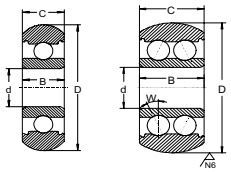
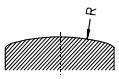
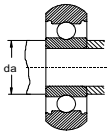
Examples of bearings for linear guide systems - Profile B (Continued)





Profile B



Cages and shields

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

Profile codes and specialities. (page 93)

B : Convex profile
M : Ring larger than the other

Dimensions d	D	B	C	Designation	Angle of contact W	Profile specification R max	Limiting speeds rpm x 1'000 Oil	Grease	Contact seals	Basic load ratings Dyn. Cr	Stat. Cor	Abutment dimensions da min		Mass	Designation
	mm					mm				kN	kN	mm		~ gr	
9	24	7	7	**B900**	-	40	36	30	19	3.670	1.640	11.0	22.0	15.1	**B900**
	26	8	8	**B901**	-	200	34	28	18	4.580	1.970	11.0	24.0	20.2	**B901**
10	32	9	9	**B1000**	-	32	32	26	17	5.970	2.630	14.0	28.0	57.5	**B1000**
	34.8	11	11	**B1001**	-	7.1	32	26	17	5.970	2.630	14.0	26.0	54.5	**B1001**
	35.6	11	11	**B1003**	-	7.1	32	26	17	5.970	2.630	14.0	27.0	54.5	**B1003**
	35.6	11	11	**B1004**	-	7.1	32	26	17	5.970	2.630	14.0	27.0	54.5	**B1004**
12.7	32	9.525	9.27	**B12,7M00**	-	6.35	32	26	17	5.100	2.370	14.7	26.0	40	**B12,7M00**
15	37	11	11	**B1500**	-	8.5	26	20	13	7.730	3.760	19.0	31.0	49.5	**B1500**

Designation	Cage Y									Cage J									Cage T9H									Cage TBH								
	Shields									Shields									Shields									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
B900	■	■	■	□	□	□	□	□	□										□	□	□	□	□	□	□	□	□	■	□	□	□	□	□	□	□	□
B901	■	■	■	■	■	■	■	■	■										■	■	■	■	■	■	■	■	■	■	■	□	■	□	■	□	■	□
B1000	■	■	■	■	■	□	□	□	□										■	■	■	■	■	□	□	□	□	■	■	□	■	□	□	□	□	□
B1001	■	■	■	■	■	□	□	□	□										■	■	■	■	■	□	□	□	□	■	■	□	■	□	□	□	□	□
B1003	■	■	■	■	■	□	□	□	□										■	■	■	■	■	□	□	□	□	■	■	□	■	□	□	□	□	□
B1004	■	■	■	■	■	□	□	□	□										■	■	■	■	■	□	□	□	□	■	■	□	■	□	□	□	□	□
B12,7M00	■	■	■	■	■	■	■	□	□										■	■	■	■	■	■	■	□	□	■	■	□	■	□	■	□	□	□
B1500	■	■	■	□	□	□	□	□	□	■	■	■	□	□	□	□	□	□	■	■	■	□	□	□	□	□	□	■	■	□	□	□	□	□	□	□

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