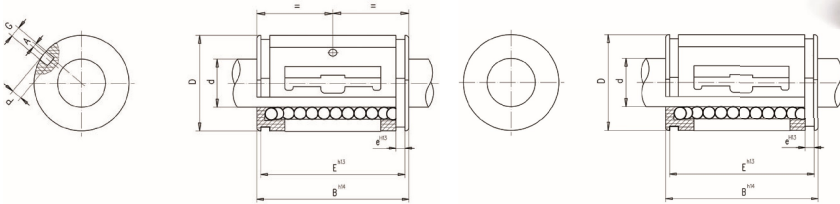


# DBL Series - Linear bearings

From standard products to customized solutions  
Linear bearings - Linear movement

## Standard product line – microlinea

Miniature high precision linear bearings DBL series with plastic body (POM), with stainless steel balls and needles



Reference	d (mm)	D (mm)	B (mm)	e (mm)	E (mm)	Ø balls (mm)	A (mm)	P (mm)	G (mm)	Load ratings to ISO 14728 (N)		
										stat. (C <sub>0</sub> )	dyn. (C <sub>100B</sub> )	no. of ball rows
DBL 307X	3	7	10	-	-	1.0	0.0	0.75	1.0	27	26	3
DBL 408X	4	8	12	-	-	1.0	0.0	0.9	1.0	50	44	4
DBL 510X	5	10	15	-	-	1.2	0.1	1.0	1.2	84	72	4
DBL 612X	6	12	19	-	-	1.0	0.0	1.0	1.0	132	114	4
DBL 815X	8	15	24	1.1	23	1.5	0.85	1.0	1.5	204	167	5
DBL 1017X	10	17	26	1.1	25	1.5	0.85	1.2	1.5	234	186	5
DBL 1219X	12	19	28	1.3	26.4	1.5	1.25	1.2	1.5	257	202	6
Bearings have wipers on both sides												
DBL 1222X-JR	12	22	32	1.3	22.60	2.0	-	-	-	352	310	6
DBL 1626X-JR	16	26	36	1.3	24.60	2.0	-	-	-	440	372	7
DBL 2032X-JR	20	32	45	1.6	31.20	2.5	-	-	-	689	591	7
DBL 2540X-JR	25	40	58	1.85	43.70	3.5	-	-	-	1332	1162	7

### Materials

**Housing:** polyoxymethylen (POM)  
**Balls and needles:** stainless steel  
**Lubrication:** standard: Winsor Lube L245X (other oils on request)  
**Temperature:** -40°C to +60°C

### Example of part number definition

**DBL 307X** precision linear bearing DBL-type  
**DBL 307X** bore diameter = 3 mm  
**DBL 307X** outer diameter = 7 mm  
**DBL 307X** stainless steel balls and needles

Data subject to change without notice.