

eLINE and compact linear bushings

**eLINE linear bushings, R0658**

**Design**

- POM ball retainer
- Integrated wiper seals
- Balls made of rolling bearing steel
- Hardened segmental steel plates
- Metal retainers (shaft diameter 12 and higher)
- Reduced radial clearance for applications where **minimal-clearance** bearings with an H7 bore are desired
- Initial lubrication with Dynalub 510
- Stainless steel version also available: Segmental steel plates made of 1.4037 balls made of 1.3541

**Compact linear bushings, R0658**

**Design**

- **Normal** radial clearance
- Not greased
- Optional integrated wiper seals



Shaft Ø d (mm)	Material number without wiper seals		Weight (kg)
	Compact linear bushings Normal KBC- ...	Stainless KBC- ... -NR	
8	R0658 008 00	R0658 008 30	0.011
10	R0658 010 00	R0658 010 30	0.014
12	R0658 012 00	R0658 012 30	0.016
14	R0658 014 00	R0658 014 30	0.018
16	R0658 016 00	R0658 016 30	0.025
20	R0658 020 00	R0658 020 30	0.028
25	R0658 025 00	R0658 025 30	0.058
30	R0658 030 00	R0658 030 30	0.080
40	R0658 040 00	R0658 040 30	0.140
50	R0658 050 00	R0658 050 30	0.170



Shaft Ø d (mm)	Material number with two integrated wiper seals				Weight (kg)
	eLINE linear bushings (reduced radial clearance, prelubricated)		Compact linear bushings <sup>1)</sup> (Normal radial clearance, not prelubricated)		
	KBC- ... -DD-RT-G Normal	KBC- ... -DD-RT-NR-G Stainless	KBC- ... -DD Normal	KBC- ... -DD-NR Stainless	
8	R0658 262 44	R0658 262 34	R0658 208 40	R0658 208 30	0.011
10	R0658 261 44	R0658 261 34	R0658 210 40	R0658 210 30	0.014
12	R0658 251 44	R0658 251 34	R0658 212 40	R0658 212 30	0.016
14	-	-	R0658 214 40	R0658 214 30	0.018
16	R0658 252 44	R0658 252 34	R0658 216 40	R0658 216 30	0.025
20	R0658 253 44	R0658 253 34	R0658 220 40	R0658 220 30	0.028
25	R0658 254 44	R0658 254 34	R0658 225 40	R0658 225 30	0.058
30	R0658 255 44	R0658 255 34	R0658 230 40	R0658 230 30	0.080
40	R0658 256 44	R0658 256 34	R0658 240 40	R0658 240 30	0.140
50	-	-	R0658 250 40	R0658 250 30	0.170

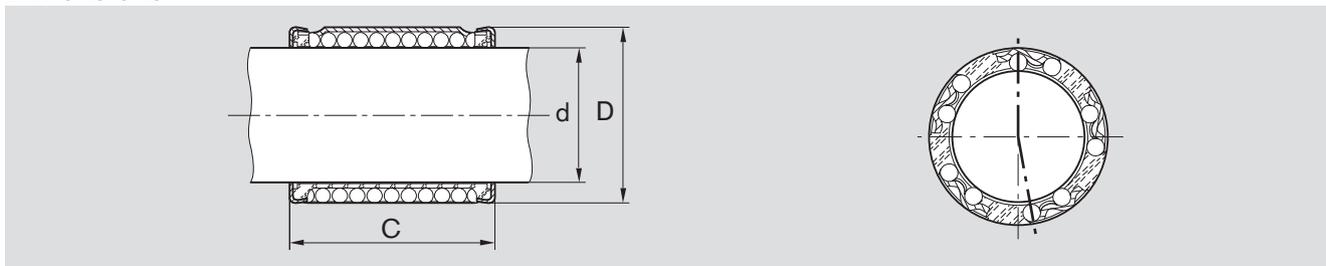
<sup>1)</sup> Integrated seal: R0658 1...40 or R0658 1 to 30

**Explanation of sample short product name**

KB	C	12	DD	RT	G
Linear bushing	Compact	Ø 12	With two seals	Reduced radial clearance	Greased

See page 28 for more information on short product names.

Dimensions



Dimensions (mm)			Rows of balls	Radial clearance (µm) Shaft/bore		Load ratings (N)				Stainless			
Ø d	D	C ±0.2		eLINE h6/H7	Compact h6/H7	Normal		Stainless		Stainless		Stainless	
						min.	dyn. C max.	min.	stat. C <sub>0</sub> max.	min.	dyn. C max.	min.	stat. C <sub>0</sub> max.
8	15	24	4	+5 -18	+25 +2	500	580	350	500	350	410	280	400
10	17	26	5	+5 -18	+25 +2	600	720	410	600	420	500	330	480
12	19	28	5	+8 -24	+32 0	730	870	420	620	510	610	340	500
14	21	28	5	-	+32 0	760	900	430	630	530	630	340	500
16	24	30	5	+8 -24	+32 0	950	1,120	500	730	660	780	400	580
20	28	30	6	+9 -25	+33 -1	1,120	1,410	610	900	780	990	480	720
25	35	40	6	+12 -24	+36 0	2,330	2,930	1,310	1,950	1,630	2,050	1,050	1,560
30	40	50	6	+12 -24	+36 0	3,060	3,250	1,880	2,790	2,140	2,700	1,510	2,230
40	52	60	6	+18 -25	+42 -1	5,040	6,380	3,140	4,650	3,520	4,470	2,510	3,720
50	62	70	6	-	+42 -1	5,680	7,180	3,610	5,350	3,970	5,030	2,890	4,280

The dynamic load ratings are based on total travel of 100,000 m.  
When based on 50,000 m, the C values in the table are multiplied by 1.26.