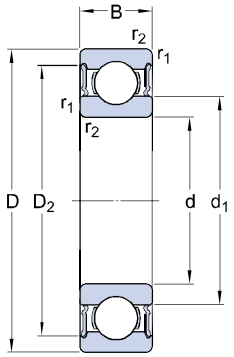
Deep groove ball bearings, single row, stainless steel

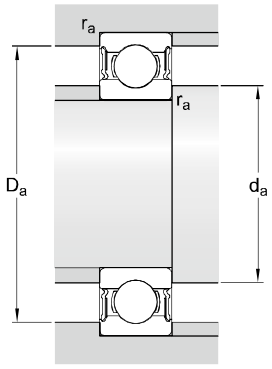
W 6003-2RS1/VP311

Dimensions



d		17	mm
D		35	mm
B		10	mm
d_1	≈	23.5	mm
D_2	≈	31.8	mm
$r_{1,2}$	min.	0.3	mm

Abutment dimensions



d_a	min.	19	mm
d_a	max.	23	mm
D_a	max.	33	mm
r_a	max.	0.3	mm

Calculation data

Basic dynamic load rating	C	4.9	kN
Basic static load rating	C_0	3.1	kN
Fatigue load limit	P_u	0.13	kN
Limiting speed		13000	r/min
Calculation factor	k_r	0.03	
Calculation factor	f_0	14.1	

Mass

Mass bearing		0.0385	kg