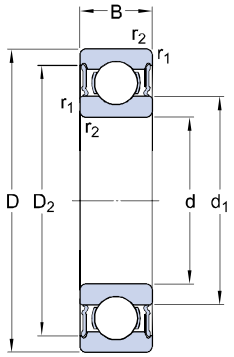
Deep groove ball bearings, single row, stainless steel

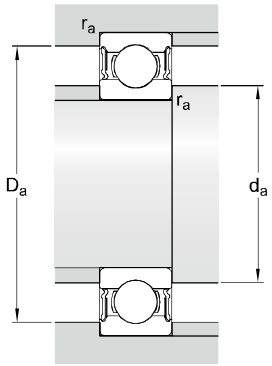
W 6005-2RS1/VP311

Dimensions



d		25	mm
D		47	mm
B		12	mm
d_1	≈	31.7	mm
D_2	≈	42.7	mm
$r_{1,2}$	min.	0.6	mm

Abutment dimensions



d_a	min.	29	mm
d_a	max.	31.5	mm
D_a	max.	44.5	mm
r_a	max.	0.6	mm

Calculation data

Basic dynamic load rating	C	8.7	kN
Basic static load rating	C_0	5.8	kN
Fatigue load limit	P_u	0.25	kN
Limiting speed		9500	r/min
Calculation factor	k_r	0.03	
Calculation factor	f_0	14.5	

Mass

Mass bearing		0.077	kg