

## D/W ER1212-2ZS

### Deep groove ball bearings

#### Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

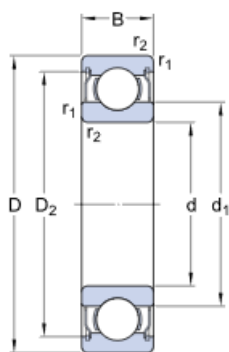
$d < 10$  mm, Other bearings

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

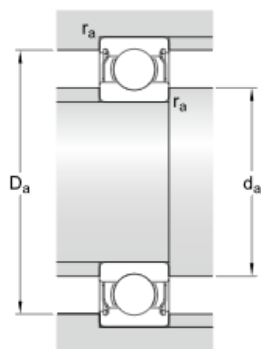
[Tolerances and resultant fits](#)

### Technical specification



#### DIMENSIONS

d	12.7 mm
D	19.05 mm
B	3.967 mm
$d_1$	≈ 14.5 mm
$D_2$	≈ 17.3 mm
$r_{1,2}$	min. 0.25 mm



#### ABUTMENT DIMENSIONS

$d_a$	min. 14 mm
$d_a$	max. 14 mm
$D_a$	max. 17.5 mm
$r_a$	max. 0.25 mm

## CALCULATION DATA

Basic dynamic load rating	C	0.52 kN
Basic static load rating	C <sub>0</sub>	0.27 kN
Fatigue load limit	P <sub>u</sub>	0.011 kN
Reference speed		75000 r/min
Limiting speed		36000 r/min
Calculation factor	k <sub>r</sub>	0.015
Calculation factor	f <sub>0</sub>	8.3

## MASS

Mass bearing	0.0032 kg
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