



Shanghai Ruonan-Power Co., Ltd.



623 Bearing 2D drawings and 3D CAD models

SKF 623 623-Z 623-2z 623-RS1 623-2RS1 618/4
 628/4-2z 638/4-2z 619/4-2z 619/4 604 604-Z
 604-2z Deep Groove Ball Bearing

Bearing No. 623

Size	10x3x4 mm
Bore Diameter	10 mm
Outer Diameter	3 mm
Width	4 mm
d	3 mm
D	10 mm
B	4 mm
d ₁	5.2 mm
D ₂	8.2 mm
r _{1,2} - min.	0.15 mm
d _a - min.	4.2 mm
D _a - max.	8.8 mm
r _a - max.	0.1 mm
Basic dynamic load rating - C	0.54 kN
Basic static load rating - C ₀	0.18 kN
Fatigue load limit - P _u	0.007 kN
Reference speed	130000 r/min
Limiting speed	80000 r/min
Calculation factor - k _r	0.025
Calculation factor - f ₀	7.5
Size	10x3x4 mm
Bore Diameter	10 mm
Outer Diameter	3 mm



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Width	4 mm
d	3 mm
D	10 mm
B	4 mm
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Basic dynamic load rating - C	0.54 kN
Basic static load rating - C ₀	0.18 kN
Fatigue load limit - P _u	0.007 kN
Reference speed	130000 r/min
Limiting speed	80000 r/min
Calculation factor - k _r	0.025
Calculation factor - f ₀	7.5
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.004
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel



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Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	3MM Bore; 10MM Outside Diameter; 4MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	623
Weight / LBS	0.01
Outer Race Width	0.157 Inch 4 Millimeter
Outside Diameter	0.394 Inch 10 Millimeter
Bore	0.118 Inch 3 Millimeter
bore diameter:	3 mm
static load capacity:	0.18 kN
outside diameter:	10 mm
precision rating:	Not Rated
overall width:	4 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	4 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.1 mm
snap ring included:	Without Snap Ring
maximum rpm:	80000 RPM



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internal clearance:	C0
series:	62
dynamic load capacity:	0.54 kN
d_1	5.2 mm
D_2	8.2 mm
$r_{1,2}$ min.	0.15 mm
d_a min.	4.2 mm
D_a max.	8.8 mm
r_a max.	0.1 mm
Basic dynamic load rating C	0.54 kN
Basic static load rating C_0	0.18 kN
Fatigue load limit P_u	0.007 kN
Calculation factor k_f	0.025
Calculation factor f_0	7.5
Mass bearing	0.0015 kg