



# TIMKEN BEARINGS POLSKA Sp.Z O.o.



6010 Bearing 2D drawings and 3D CAD models

Machine Tool Spindle CNC Machine Gas  
Turbine Ball Bearing 6010 6012 6014 6016 RS Zz  
SKF Deep Groove Ball Bearing 6012zz

Bearing No. 6010

Size	80x50x16 mm
Bore Diameter	80 mm
Outer Diameter	50 mm
Width	16 mm
d	50 mm
D	80 mm
B	16 mm
d <sub>1</sub>	59.75 mm
D <sub>2</sub>	72.8 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	54.6 mm
D <sub>a</sub> - max.	75.4 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	22.9 kN
Basic static load rating - C <sub>0</sub>	16 kN
Fatigue load limit - P <sub>u</sub>	0.71 kN
Reference speed	18000 r/min
Limiting speed	11000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14.7
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



## TIMKEN BEARINGS POLSKA Sp.Z O.o.

Minimum Buy Quantity	N/A
Weight / Kilogram	0.27
EAN	7316577064295
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
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	50MM Bore; 80MM Outside Diameter; 16MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6010
Weight / LBS	0.59
Bore	1.969 Inch   50 Millimeter
Outside Diameter	3.15 Inch   80 Millimeter
Outer Race Width	0.63 Inch   16 Millimeter
d <sub>1</sub>	59.75 mm
r <sub>1,2</sub> min.	1 mm



## TIMKEN BEARINGS POLSKA Sp.Z O.o.

$d_a$ min.	54.6 mm
$D_a$ max.	75.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	22.9 kN
Basic static load rating $C_0$	16 kN
Fatigue load limit $P_u$	0.71 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.7
Mass bearing	0.26 kg