



# YUKEN Piston Pump Ltd.



6303 Bearing 2D drawings and 3D CAD models

6303 6010 6203 6204 C3 6205 6206 6207 NSK  
60801 Bearing

Bearing No. 6303

Size	17x47x14 mm
Bore Diameter	17 mm
Outer Diameter	47 mm
Width	14 mm
d	17 mm
D	47 mm
B	14 mm
C	14 mm
r min.	1 mm
da min.	22 mm
da max	25,5 mm
Da max.	42 mm
ra max.	1 mm
Weight	0,113 Kg
Basic dynamic load rating (C)	13,6 kN
Basic static load rating (C0)	6,65 kN
(Grease) Lubrication Speed	15 000 r/min
(Oil) Lubrication Speed	18 000 r/min
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NSK
Minimum Buy Quantity	N/A
Weight / Kilogram	0.05
Product Group	B00308
Enclosure	Open



## YUKEN Piston Pump Ltd.

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	17MM Bore; 47MM Outside Diameter; 14MM 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.nskamericas.com">http://www.nskamericas.com</a>
Manufacturer Item Number	6303
Weight / LBS	0.11
Outside Diameter	1.85 Inch   47 Millimeter
Outer Race Width	0.551 Inch   14 Millimeter
Bore	0.669 Inch   17 Millimeter
bore diameter:	17 mm
internal clearance:	C0
outside diameter:	47 mm
dynamic load capacity:	13600 N
overall width:	14 mm
precision rating:	ABEC1, P0
bore type:	Round



## YUKEN Piston Pump Ltd.

finish/coating:	Uncoated
closure type:	Open
cage material:	Steel Cage
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm:	18000 rpm
snap ring included:	Without Snap Ring
SRI	4.41
hidYobi	6303
LangID	1
D_	47
SREX	0.04
B_	14
da min	22
hidTable	ecat_NSRDGB
Oil rpm	18000
SRE	4.63
mass	0.113
GRS rpm	15000
ra	1
SRIX	0.02
D_a	42
SRIN	0
C0	6.65
fo	12.4
SREN	0
DE_	41.731
Prod_Type3	DGBB_SR_OT
DA_	8.731
bomp	0
Z_	7
yobi	6303
C_conv	13600



## YUKEN Piston Pump Ltd.

ALPHA_	0
SDM_	33
r	1
KBRG	6101
SBRG	3
DI_	24.269