

22205CKE4 NSK calcUrl /BearingGuide/html/calculation.jsp 25x52x18mm Spherical roller bearings

Bearing number	22205CKE4
Size (mm)	25x52x18
Brand	NSK
Bore diameter (mm)	25
Outer diameter (mm)	52
Width (mm)	18
d	25 mm
D	52 mm
B	18 mm
C	18 mm
r min.	1 mm
da min.	31 mm
da max.	31 mm
Da min.	45 mm
Da max.	46 mm
ra max.	1 mm
Weight	0.17 kg
Basic dynamic load rating (C)	37.5 kN
Basic static load rating (C0)	37 kN
Lubrication Speed	7100 r/min
Oil Lubrication Speed	9000 r/min
Calculation factor (a)	0.35
Calculation factor (Y0)	1.0
Calculation factor (Y2)	2.9
Category	Bearings
ISO	0.0
Inventory	0.0
Manufacturer	NSK
Item	N/A
Minimum Buy Quantity	N/A
Weight / Kilogram	0.167
Product Group - ISO	BB4111
V3	1.0
hidf0b1	22205CKE4
LangID	1
V1	1.0
D	52
V2	2.9
Match rpm	0
B	18
CAD	https://service.web2cad.co.jp/pc/maker_login.php?maker=NSK_R&language=ja&info=nsk_rb/roller_bearings/spherical_rb/tapered_bore_asmtab.prj&varset=(STAN-J).(ORDER=22205CKE4).(D=25).(B=18.0).(R=1.0).(C01=37500).(C01=37000).(LT=10000).(LM=3).(LG=7100).(LO=9000).(DA1=11).(DA2=11).(DA3=46).(DA4=45).(DA=1.0).(E=0.35).(F2=2.9).(F3=1.0).(F0=1.0).(MSS=0.17)
da min	31
hidf0b1	ecat_NSKRR
Oil rpm	9000
Y0	1.0
max	9.17
GRS rpm	7100
ra	1
TR rpm	10000
C0	37
DE	46.543
DB	1
Prod_Type3	SHR_CTR_TB
X1	1
X2	0.67
X3	5.9
e	0.35
DA	7.3
dbm	22205CKE4
Z	14
ALP2	18
ALP1	13
ALP3	0
D_a max	46
D_a min	45
nsk	22205CKE4
ALP0	0.23
SM	30.435
r	1
NSG	2327
SRG	27
D1	32.327
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