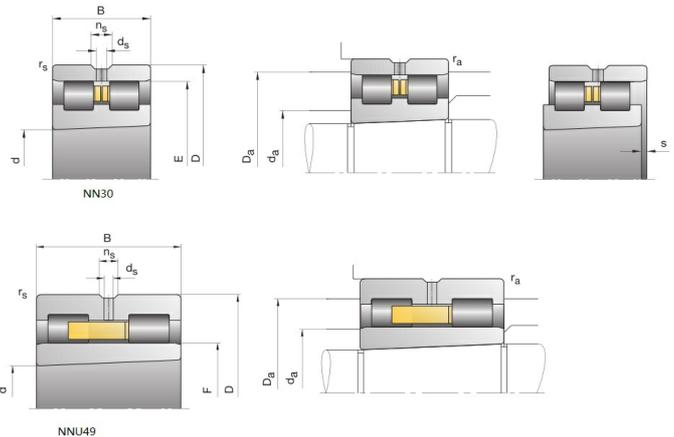


NN3009ASK.M.SP

Cylindrical roller bearing, double row, separable, with cage



Technical sheet of NN3009ASK.M.SP

Type :	Precision Bearings	
Model :	NN3009ASK.M.SP	
Main demensions :	45 mm × 75 mm × 23 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.39	Mass
d mm:	45	inner ring diameter
D mm:	75	Outer ring diameter
B(T) mm:	23	Overall Width
Cr kN:	53.959	Radial dynamic load rating
C0r kN:	71.886	Radial static load rating
Grease r/min:	10945	Reference speed
Oil r/min:	13976	Limiting speed

Detailed parameters and installation dimensions:

Part Number	NN3009ASK.M.SP
Series	NN30..-AS-K-M-SP
Dimension series	30 (Medium series)

Reference speed (grease) - n_B	10945 min ⁻¹
Limiting speed (oil) - n_G	13976 min ⁻¹
Design Type	NN = ribs on inner ring, outer ring without ribs
External form	AS = Lubricating groove and holes on the outer ring
Bearing Mass - m	0.39 kg 0.860 lb
Reference From	FAG NN3009ASK.M.SP
Dimension Inside - d ϕ (mm)	45
Dimension Outside - D Φ (mm)	75
Dimension Width - B (mm)	23
Bore Type	K = Tapered (taper 1:12)
Cage	M = Brass cage, guided by rollers
Dimension - r(min.)	1 mm 0.039 inch
Dimension - s	1.7 mm 0.067 inch
Dimension - E	67.5 mm 2.657 inch
Bearing Type	Cylindrical roller bearing, double row, separable, with cage
Mounting dimensions - r_a (max.)	1 mm 0.039 inch
Rows NO.	2
Dimension - d_s	3.2 mm 0.126 inch
Dimension - n_s	4.8 mm 0.189 inch
Roller Material	Bearing steel
RIC	C1
Radial Dynamic Capacity - C_r	53959 N 12129 lbf
Radial static Capacity - C_{0r}	71886 N 16159 lbf
Dimension Inside - d ϕ (inch)	1.772
Dimension Outside - D Φ (inch)	2.953
Dimension Width - B (inch)	0.906
Temperature - T(min)	-30°C
Temperature - T(max)	150°C
Alias	Non-locating bearings
Mounting dimensions - d_a (h12)	54 mm 2.126 inch
Mounting dimensions - D_a (H12)	69 mm 2.717 inch
Accuracy class	SP = Super Precision
Radial rigidity - C_r	1054 N/ μ m

NOTE: All other trademarks are the property of their respective owners and used for the purpose of compatibility description and product identification only. Tradebearings is not affiliated with, endorsed by, or sponsored by the holders of these trademarks.

NN3009ASK.M.SP features:

comprise solid outer rings, solid inner rings with a tapered bore (taper 1:12) and cylindrical roller and cage assemblies with cages made from polyamide, brass or PEEK (polyether ether ketone). very high precision, high radial rigidity and very high load carrying capacity.

NN3009ASK.M.SP application:

Precision machining equipment, Bearing arrangement on belt side, Milling at high output, Machining

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