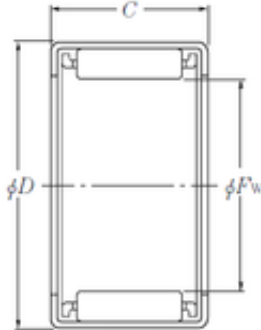




BEARING DRIVESHAFT, INC.

NTN HMK4520 needle roller bearings



Bearing No. HMK4520

| | |
|------------------------------------|--------------|
| Size | 45x55x20 mm |
| Bore Diameter | 45 mm |
| Outer Diameter | 55 mm |
| Width | 20 mm |
| Fw | 45 mm |
| D | 55 mm |
| C | 20 mm |
| Weight | 0.083 Kg |
| Basic dynamic load rating (C) | 33 kN |
| Basic static load rating (C0) | 53 kN |
| (Grease) Lubrication Speed | 3 700 r/min |
| Dw | 4 mm |
| Lw | 14.8 mm |
| Lubrication hole on outer ring | Non/No |
| Inner ring reference | IR40X45X20.5 |
| Mass | 0.08 kg |
| Cr | 33 kN |
| C0r | 53 kN |
| Nlim (grease) | 3,700 rpm |
| Nlim (oil) | 5,500 rpm |
| Min operating temperature, Tmin | -20 ° C |
| Max operating temperature, Tmax | 120 ° C |
| Characteristic cage frequency, FTF | 0.46 Hz |

HMK4520 Bearing 2D drawings and 3D CAD models



BEARING DRIVESHAFT, INC.

| | |
|-----------------------------------------------|-----------------|
| Characteristic rolling element frequency, BSF | 12.17 Hz |
| Characteristic outer ring frequency, BPF0 | 10.56 Hz |
| Characteristic inner ring frequency, BPF1 | 12.44 Hz |
| Category | Roller Bearings |
| Inventory | 0.0 |
| Manufacturer Name | NTN |
| Minimum Buy Quantity | N/A |
| Weight / Kilogram | 0.077 |
| Product Group | B04144 |