



## SNR Bearing Argentina



ML71905HVUJ74S Bearing 2D drawings and 3D CAD models

25 mm x 42 mm x 9 mm SNR  
ML71905HVUJ74S High precision angular  
contact ball bearings

Bearing No. ML71905HVUJ74S

|                        |            |
|------------------------|------------|
| Size                   | 25x42x9 mm |
| Bore Diameter          | 25 mm      |
| Outer Diameter         | 42 mm      |
| Width                  | 9 mm       |
| d                      | 25 mm      |
| D                      | 42 mm      |
| B                      | 9 mm       |
| C                      | 9 mm       |
| Angle ( ° )            | 20 °       |
| d1                     | 30.6 mm    |
| d2                     | 29.4 mm    |
| D1                     | 37.65 mm   |
| D2                     | 38.95 mm   |
| a                      | 12 mm      |
| Contact angle          | 25 °       |
| rs min                 | 0.3 mm     |
| r1s min                | 0.3 mm     |
| f0                     | 8.22       |
| Precision class        | P4S        |
| Mass                   | 0.04 kg    |
| Dynamic load, C        | 4.05 kN    |
| Static load, C0        | 2.23 kN    |
| Fatigue limit load, Cu | 0.13 kN    |
| Nlim (oil)             | 58,000 rpm |
| Nlim (grease)          | 40,000 rpm |



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|   |                |
|---|----------------|
| Axial displacement K Factor                   | 0.88           |
| Preload level                                 | 7              |
| Preload value                                 | 0.035 kN       |
| Axial rigidity                                | 52 N/ $\mu$ m  |
| Radial rigidity                               | 116 N/ $\mu$ m |
| Min operating temperature, T <sub>min</sub>   | -30 ° C        |
| Max operating temperature, T <sub>max</sub>   | 120 ° C        |
| Characteristic cage frequency, FTF            | 0.45 Hz        |
| Characteristic rolling element frequency, BSF | 8.32 Hz        |
| Characteristic outer ring frequency, BPF0     | 8.48 Hz        |
| Characteristic inner ring frequency, BRFI     | 10.52 Hz       |
| da min  | 27.5 mm        |
| db min  | 27.5 mm        |
| Da max  | 39.5 mm        |
| Db max  | 39.5 mm        |
| r1a max                                       | 0.3 mm         |
| ra max  | 0.3 mm         |
| D6  | 32.1 mm        |