

1221-M FAG 105x190x36mm Y1

3.54 Self aligning ball bearings

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| Bearing number | 1221-M |
| Size (mm) | 105x190x36 |
| Brand | FAG |
| Bore Diameter (mm) | 105 |
| Outer Diameter (mm) | 190 |
| Width (mm) | 36 |
| d | 105 mm |
| D | 190 mm |
| B | 36 mm |
| D_1 | 164.4 mm |
| $D_{a \max}$ | 178 mm |
| d_1 | 133.9 mm |
| $d_{a \min}$ | 117 mm |
| $r_{a \max}$ | 2.1 mm |
| r_{\min} | 2.1 mm |
| m | 4.75 kg / Weight |
| C_r | 75000 N / Dynamic load rating (radial) |
| e | 0.18 |
| Y_1 | 3.54 |
| Y_2 | 5.48 |
| C_{0r} | 32000 N / Static load rating (radial) |
| Y_0 | 3.71 |

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| n_G | 5300 1/min / Limiting speed |
| n_B | 5900 1/min / Reference speed |
| C_{ur} | 1640 N / Fatigue limit load. radial |