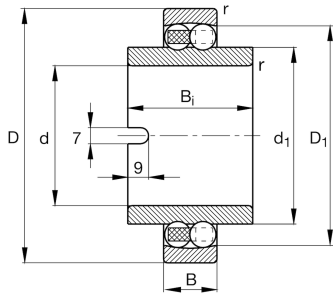
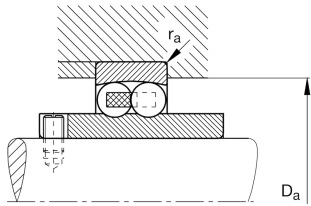
**FAG****11204-TVH**

Self-aligning ball bearing

Self-aligning ball bearing 112...-TVH, plastic cage

Technical information



Your current product variant

| | | |
|------|-----|--|
| Cage | TVH | Solid cage made of glass-fiber reinforced polyamide PA66 |
|------|-----|--|

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|-----------------------------------|
| d | 20 mm | Bore diameter |
| D | 47 mm | Outside diameter |
| B | 40 mm | Total width |
| B _C | 14 mm | Width, outer ring |
| B _i | 40 mm | Width, inner ring |
| C _r | 10.100 N | Basic dynamic load rating, radial |
| C _{0r} | 2.600 N | Basic static load rating, radial |
| C _{ur} | 166 N | Fatigue load limit, radial |
| n _G | 18.100 1/min | Limiting speed |
| n _{gr} | 15.300 1/min | Reference speed |
| m | 0,186 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|--------------------------------------|
| D _{a max} | 41,4 mm | Maximum diameter of housing shoulder |
| r _{a max} | 1 mm | Maximaler Hohlkehlradius |



Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_1 | 37,75 mm | Shoulder diameter outer ring |
| d_1 | 29,2 mm | Shoulder diameter inner ring |
| b | 7 mm | Width retaining slot |
| t | 9 mm | Hight retaining slot |









Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,28 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2,24 | Dynamic axial load factor |
| Y_2 | 3,47 | Dynamic axial load factor |
| Y_0 | 2,35 | Static axial load factor |

Characteristics

| | |
|---|--|
|  | Radial load |
|  | Axial load in one direction |
|  | Axial load in two directions |
|  | Grease Lubrication |
|  | Oil Lubrication |
|  | Not sealed |
|  | Static angular error and misalignment |
|  | Dynamic angular error and misalignment |