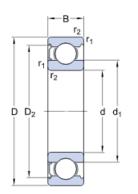
SKF•



Technical specification





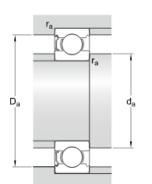
SKF Explorer

Deep groove ball bearings

Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Radial internal clearance, Matched bearing pairs, Stainless steel d < 10 mm, Other bearings Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fits

DIMENSIONS

| d | 45 mm |
|------------------|-------------|
| D | 85 mm |
| В | 19 mm |
| d ₁ | ≈ 57.6 mm |
| D ₂ | ≈ 75.19 mm |
| r _{1,2} | min. 1.1 mm |



ABUTMENT DIMENSIONS

| d _a | min. 52 mm |
|----------------|--------------|
| d _a | max. 57.5 mm |
| D _a | max. 78 mm |
| r _a | max. 1 mm |



CALCULATION DATA

| Basic dynamic load rating | С | 35.1 kN |
|---------------------------|----------------|-------------|
| Basic static load rating | C ₀ | 21.6 kN |
| Fatigue load limit | Pu | 0.915 kN |
| Reference speed | | 17000 r/min |
| Limiting speed | | 11000 r/min |
| Calculation factor | k _r | 0.025 |
| Calculation factor | f ₀ | 14.2 |

MASS

| Mass bearing | 0.42 kg |
|--------------|---------|
|--------------|---------|



More information

| Product details | Product details | Engineering ir | nforn Eanlaionneering in | formiætøden | Tools |
|-----------------------|------------------------|-----------------------|--------------------------|-------------|------------|
| Single | Single | | | Bearing | Bearing |
| row deep | row deep | Principles | Principles | Select | Select |
| groove | groove | of rolling | of rolling | | |
| ball | ball | bearing | bearing | SimPro | SimPro |
| bearings Stainless | -bearings Stainless | -selection General | -selection General | Quick | Quick |
| steel | steel | bearing k | bearing k | Engineer | Engineer |
| deep | deep | nowledge | nowledge | ing Calcul | ing Calcul |
| groove | groove | | | ator | ator |
| ball | ball | Bearing | Bearing | LubeSele | LubeSele |
| bearings | bearings | selection | selection | ct for SKF | ct for SKF |
| row deep | row deep | process | process | greases | greases |
| groove | groove | Bearing | Bearing | Heater | Heater |
| ball | ball | interfaces | interfaces | selection | selection |
| bearings | bearings | | | tool | tool |
| with | with | Seat tole | Seat tole | Rolling | Rolling |
| filling | filling | rances | rances | bearings | bearings |
| Double | Double | for | for | mounting | mounting |
| row deep | row deep | standard | standard | and dism | and dism |
| groove | groove | condition | condition | ounting i | ounting i |
| ball | ball | | | nstructio | nstructio |
| bearings Bearing | -bearings Bearing | Selecting | Selecting | ns | ns |
| data | data | internal | internal | | 115 |
| | | clearance | clearance | | |
| Loads | Loads | | | | |
| | | Lubricati | Lubricati | | |
| Tempera | Tempera | on | on | | |
| ture | ture | Sealing, | Sealing, | | |
| limits | limits | mounting | mounting | | |
| Permissi | Permissi | and dism | and dism | | |
| ble speed | ble speed | ounting | ounting | | |
| | | Bearing | Bearing | | |
| Designati | Designati | failure | failure | | |
| on | on | and how | and how | | |
| system | system | to | to | | |
| | | prevent it | prevent it | | |



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