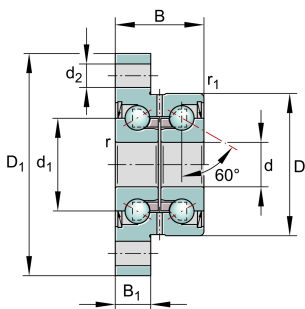
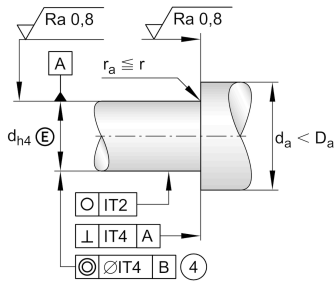
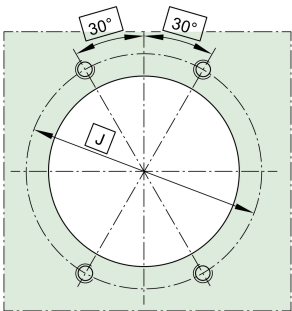


**ZKLFA1563-2RS**

Axial angular contact ball bearing

Angular contact ball bearing units
ZKLFA..-2RS, double direction, for screw
mounting, lip seals on both sides, with
flattened flange

Technical information

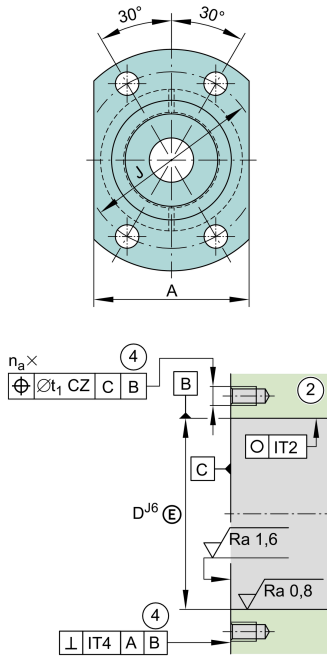


Your current product variant

| | | |
|---------|-----|--------------------------------|
| Sealing | 2RS | Contact lip seal on both sides |
|---------|-----|--------------------------------|

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 15 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,005 mm | Bore diameter lower tolerance |
| D | 42 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,01 mm | Outside diameter lower tolerance |
| B | 25 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,25 mm | Width lower tolerance |
| C _a | 18.000 N | Basic dynamic load rating, axial |
| C _{0a} | 28.500 N | Basic static load rating, axial |
| C _{ua} | 1.300 N | Fatigue load limit, axial |
| n _G Grease | 8.200 1/min | Limiting speed for grease lubrication |
| n _g | 3.500 1/min | Thermally permissible speed |
| m | 0,259 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|------------------------------------|
| $d_{a\ min}$ | 20 mm | Minimum diameter shaft shoulder |
| $d_{a\ max}$ | 34 mm | Maximum diameter of shaft shoulder |
| t_1 | 0,1 mm | Position tolerance |
| | M6 | Screw size |

| | | |
|-------|---|------------------|
| n_a | 4 | Number of screws |
|-------|---|------------------|

Dimensions

| | | |
|-------|-------|-------------------------|
| d_1 | 28 mm | Rib diameter inner ring |
|-------|-------|-------------------------|

| | | |
|------------|--------|---------------------------|
| r_{\min} | 0,3 mm | Minimum chamfer dimension |
|------------|--------|---------------------------|

| | | |
|--------------|--------|---------------------------|
| $r_{1\ min}$ | 0,6 mm | Minimum chamfer dimension |
|--------------|--------|---------------------------|

| | | |
|-------|-------|---------------------|
| B_1 | 10 mm | Thickness of flange |
|-------|-------|---------------------|

| | | |
|-------|--------|------------------------|
| d_2 | 6,8 mm | Fixing boring diameter |
|-------|--------|------------------------|

| | | |
|-----|-------|-------------------------------|
| J | 53 mm | Pitch circle diameter (holes) |
|-----|-------|-------------------------------|

| | | |
|-----|-------|--------------|
| A | 45 mm | Flange width |
|-----|-------|--------------|

Temperature range

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







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



Additional information

| | | |
|----------|--------------------------|---|
| M_{RL} | 0,2 Nm | Bearing friction torque |
| c_{aL} | 400 N/ μ m | Rigidity axial |
| c_{kL} | 65 Nm/mrad | Tilting stiffness |
| M_m | 0,102 kg*cm ² | Mass moment of inertia |
| | 2 μ m | Axial runout |
| | ZM15 | Recommended INA precision locknut for radial locking (not included) |
| | AM15 | Recommended INA precision locknut for axial locking (not included) |
| M_A | 10 Nm | Tightening torque nut |
| | 5.484 N | Locknut force axial |

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  F_a Axial load in two directions
-  L_h Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides